

# **Historic, Archive Document**

Do not assume content reflects current  
scientific knowledge, policies, or practices.



# PARKS FLORAL MAGAZINE

AUG 1922

Vol LVIII. No. 4.  
Established 1871.

April, 1922, partment of Agriculture Year  
3 years for 25 cts



FLOWERS OF SINGLE GODETIA

12

**Gloriously Beautiful  
GLADIOLUS**

25c

**With a Year's Subscription.**

Once more we come to you with our annual offer of Gladiolus, and our friends know we make a sort of gift collection of Gladiolus to secure a great lot of renewal and new subscriptions in the spring.

We have an unusually fine lot of bulbs grown right here, good, sound, firm bulbs, best blooming size, in perfect condition, and of a choice assortment of varieties, colors and markings. We send 12 of these choice bulbs postpaid, and a year's subscription to the Floral Magazine, for only 25 cents.

**5 Collections, 60 Bulbs and 5 Subscriptions, \$1, postpaid.**

This is a grand, good, liberal offer, and we hope our friends will respond with their usual pleasing clubs.

**Address, PARKS FLORAL MAGAZINE, Lapark, Pa.**



# PARK'S FLORAL MAGAZINE

A MONTHLY DEVOTED TO FLOWERS

LAPARK SEED AND PLANT COMPANY, Inc., Publishers

LAPARK, — PENN'A.

Entered at Lapark, Pa. P. O. as 2nd-class Mail Matter.

Single Copy 5c.

M. M. Hersh, Director of Circulation

## FRIENDS' FLORAL CORNER

### My Special Letter NO 2

After the reading matter is all ready, every word spelled correctly, each capital in its proper place and not even a comma omitted, it must be set up in type. This is still done by hand at Lapark, because a typesetting machine costs a great deal of money, such a one as we might need, and it sets the type so rapidly that with us it would be idle the greater part of the time, and, of course, the only way to make machinery helpful is to keep it busy.

Type is never printed from, except when only a comparatively few impressions, or prints, are to be made from it. The reason is that type is delicately made, and if it was printed from the fine lines would soon become coarse and uneven, and new type would be necessary. Therefore magazines are never printed from the type, but always from plates. And so I must next explain what a plate is. After the full pages of the Magazine are all set up in type, or partly picture and the rest type, we take them two by two (not just any two, but according to the regularly worked out plan, so that when the Magazine is printed and folded the pages will be in numerical order), place them side by side on the stone, a marble table, inside a strong, steel frame, and then lock them up tight, that is bind them absolutely tight on all four sides, so that every piece of type will be exactly in its own place and standing straight up on its feet. When properly locked up the frame can be picked up and turned upside down if you please without a type dropping out.

Unless you know something of printing, you probably never before knew type had feet. There are a lot more interesting things about the nimble types, some are thin while others are decidedly fat, etc.

But we must hasten along. A young man whose face is so smeared with stove polish he looks 'as though he had been shining up the kitchen stove, grabs up our two locked-up pages, now known as a "form", and carries it along to the Electrotyping Department, called the "Foundry", for short, and lays it face up on a polished steel slab. Up he steps on a platform so as to get a skillful bird's-eye view of our form, looks it over to catch any rascally type that might have slipped out of its place, then gently rubs his hand over it to catch any unevenness his eye might have overlooked, and finally, with a smooth-faced block of maple and a hammer, the surface is driven down, or "planed", absolutely level as far as the type is concerned. Now you will understand why the moulder's face is blackened, because he dips a long-haired brush in a box of plumbago, or stove polish, and fills every crack and cranny with the polish, but as there must be none on the face, the printing part of the type, he rubs his hand once more over the front of the type and incidentally wipes his face with his hand.

In the meantime his assistant, known as a "bourer", has prepared a pan of bees-wax, half an inch thick, poured while boiling out onto a marble slab, cooled to the proper degree of temperature and the surface polished as

smoothly as glass with plumbago.

This is placed upside down on the form, and both are then slid between the massive jaws of a hydraulic press which is set in motion, and with more than a ton's pressure the wax and form are squeezed together until the type and pictures forming the two Magazine pages are perfectly reproduced in the wax. After the pressure is released and the form is taken out the wax plate is easily lifted off the form, the plumbago preventing the two sticking together.

Once more a careful inspection is made to see that no type misbehaved, but that a clean, full impression has been secured (should a little oil accidentally get onto the type the whole impression would be spoiled) and if everything is all right the next movement is to place the wax plate in a huge chest, cover it, the plate, with powdered plumbago, shut double doors tight, switch on the power and with a horrible noise a great revolving camel's hair brush, the hairs every one as long as the longest you have ever seen in a paper hanger's brush, for twenty minutes gives this form such a polishing as no stove or shoe ever had, until it shines like a mirror. In a moment you will be told why the wax must be so carefully and thoroughly polished.

Once more the form is examined, and a red-hot iron, like a soldering iron, is run around the sides of the forms, to "burn" them, because we want the copper to be deposited only on the type and illustrations, and the copper will form everywhere that is polished with the plumbago.

At this point the form is taken hold of by the "copperer", who places it on a rack and sprays it thoroughly with cold water through a hose. Then he lays it down flat and covers it evenly with a solution of copper sulphate, and, with a big "pepper-pot" gives it a good coating of iron filings, from which all the oil and grease have been cooked. After standing about two minutes the hose is again applied, and our form has become, over all the polished parts, a beautiful copper color. This operation is repeated three times, rarely oftener, and then only when there has been a partial failure in polishing generally, until a shell of copper has been started over the face of all the type and pictures. Right at the back of us is a great vat, or "bath", bound with rods of copper, and filled nearly to the top with a still stronger solution of copper sulphate. Across the top are other copper rods and our form has a hook of copper thrust through its head by means of which it is suspended from one of these cross rods, entirely submerged. A little copper "tail", about an inch wide, connects the face of our form with the copper rod. Suspended in front of the form is an "anode", or strip of purified sheet copper, about two feet wide, three feet deep, and an inch thick. When the electric dynamos are thrown on—we have two heavy ones attached to this particular bath—the action is to remove the copper from the anode and deposit it on the face of our form. The dynamos are shut off after three to four hours and we have a good, heavy plate of copper formed on the surface of the wax. (To be continued) General Manager.

# PARK'S FLORAL MAGAZINE

LaPark, Pennsylvania.

## GROWING ANNUAL FLOWERING PLANTS FOR CUT-FLOWERS AND DECORATIONS

**Of Quick and Easy Growth Their Planting Should Be More Universally Encouraged in Connection With Shrubs and Perennials As Well As In The Garden**

**F**OR natural beauty and pleasing color effects it is hard to beat some of the old-fashioned flower gardens made up of annual plants. Nowadays temporary plantings are not relied upon when conditions will warrant the use of more permanent material, such as shrubs and perennials. Annual flowering plants, however, should certainly be encouraged where planting for Winter as well as Summer effect is not possible.

When quick, though temporary effects are desired, and when flowers are needed at a season of the year when blossoms are scarce on permanent plant material, annual flowering plants are useful. The most permanent and satisfying results are obtained with an open lawn as a foundation, with trees making a frame for the house and giving a grateful shade, accompanied by shrubs and permanent flowers to round off the corners. In the bays or pockets of such plantings, or in beds and borders, annual flowering plants will furnish bright blooms at a time when the shrubs and perennials may be dull and uninteresting. When permanent plantings, especially shrubbery beds, are newly set they often look thin and ragged, and interplantings of annuals will fill in the otherwise bare spaces with attractive foliage and brightly colored flowers.

### Valuable to Supply Cut-Flowers

Most annual plants are also valuable for supplying cut-flowers for indoor decoration. When grown for this purpose they should be given ample space for the development of quantity and quality blossoms. The tall-growing, full-foliage plants, like the tall Castor Beans and Sunflowers, when massed against buildings, fences, or in front of other obstructive objects, serve as attractive and efficient screens. Lower-growing plants when massed against a background of taller-growing annuals or shrubs, either against buildings or on borders, are more effective than when used in beds on the open lawn. Except in special cases, annuals are most effective when planted in masses or groups of irregular shape about the borders, than when planted in more formal designs.

Because annual plants make a quick growth they must be provided with good growing conditions. The soil should be well supplied with available plant food, and should be reasonably retentive of moisture and at the same time well drained. Though many kinds of annual flowering plants, particularly those of the more hardy classes, can be grown successfully in a variety of soils, a rich loam soil is necessary in order that they produce the maximum number of blossoms of the richest colors. If the soil is thin and poor, a bed two feet deep can be excavated and filled with soil especially prepared for the plants. The ideal soil for this purpose can be made from blue-grass sod from a rather

heavy clay loam rotted for a year, mixed with equal parts of well-rotted manure, leaf mold and sand.

Most annuals can be started readily from seed in the Spring, and will give bloom or satisfactory foliage effects the same season. While nearly all of them can be started in the open ground, with many of them it is advisable, in order to get a longer growing season, to plant them in pots, in the house or under glass in hot beds or cold frames, several weeks before the time arrives when they can be planted out of doors.



RICINUS, CASTOR BEAN

### Transplanting Produces a Better Root System

The young seedlings which are started in plant beds and which are to be grown for their bloom, should be transplanted as soon as the first true leaves are formed. For small, rather slow-growing plants, such as Pansies, one inch apart in the transplanted bed will afford ample room. With most plants two inches each way will be the best, but with robust-growing plants, like the Castor Bean, four inches will not be too much. With many plants, particularly vigorous-growing varieties, it is best to plant the seeds directly in pots or cans so that they can be transplanted in the open without disturbing the roots of the young seedlings. Transplanting has a tendency to make the

(Continued on page 112)



## TWO MURDEROUS PLANTS

If, in plant life, there were laws governing conduct, with penalties attached similar to those in vogue among human beings, then would the Pitcher plant (*Sarracenia*) and Venus' Fly-Trap (*Dionæa muscipula*) long ago have gone to the gallows or the electric chair; for these plants live by murder.

The Pitcher plant is so called because the leaves curve into the form of a pitcher, closed at the bottom, and partially covered at the top by the end of the leaf, which forms itself into a flap. Within these pitchers is a liquid attractive to various kinds of insects, and more's the pity, for once they fly through the opening of the pitcher to enjoy this liquid feast, they are prisoners.

They are prisoners because the inside of the pitcher is lined with hairs that, when they enter, point downward. This makes an easy descent for the insect. But as soon as he is well within the pitcher, these hairs raise themselves until they stick out like spikes, and so thick are they that it is impossible for the insect to make his way through them. If he tries, he is simply caught in a network that holds him a helpless prisoner. If he manages to free himself when at the edge of the hairs, he falls back into the liquid.

The composition of this liquid is such that the insect is disintegrated and then slowly absorbed by the plant, which thrives on this sort of diet. Often so many insects are enticed into the pitcher that the plant cannot eat all of them, and they decay within the fluid, giving a disagreeable odor to the leaves, which turn brown. A large species of this plant, growing in the southern part of the United States, has such big leaves that small birds are sometimes caught within them as prey.

Venus' Fly-Trap is hardly a compliment to the goddess after whom it is named, for Venus attracted through beauty and seductiveness, while this plant attracts through vicious trickery. It grows in swamps, in this country mainly in South Carolina. There are two sections to the leaf stalk, the lower part being simply a leaf, the upper part a trap. This upper leaf is divided into two parts, each with teeth on the edge, and the leaf is throughout provided with sensitive nerves. Along the edge is a sticky substance much sought by insects because of its honey-like flavour.

At the slightest touch of an insect, this upper leaf feels the contact, and instantly the two sections close, drawing the insect within

the leaf. The leaf then produces a sticky substance that renders the captive digestible, and leisurely it eats its prey. After the meal is finished, the upper leaf again opens and remains so until another insect comes to feast on its edge and is itself forced to be turned into a feast.

These are but two of the interesting varieties of insect-eating plants, and not by any means the most cruel among those that follow this method of sustaining life.

Jennie Irene Mix, New York.

## ADONIS ÆSTIVALIS, OR BLOOD DROPS

I think the lady who asked about a plant having finely cut foliage, red flowers, and growing about 18 inches tall will find that the flower she wishes is an old-time favorite known as Adonis. It is years since I saw this growing, but as a child it was a great favorite of mine, when I helped care for it in my mother's garden.

Reader.



SARRACENIA: PITCHER PLANT



# THE GLADIOLUS GARDEN



Most flowers like the sunshine, and the Gladiolus is no exception. We have seen Gladioli planted in shrubbery borders, and on the north side of a house, but they did not do well in either case. In the shrubbery they grew in a rather tall and spindling fashion, and though they bloomed the display was not satisfactory. We have seen them planted near large trees with equally poor results. On the south side of a border, and not too close to it, Gladioli will do fairly well, but they really need breathing space.

Almost any sunny garden spot will suit the Gladiolus. It needs no coddling, but neither does it like to be neglected. So do not tuck it off in some corner where nothing else will grow and expect to be satisfied with the results. A row in the vegetable garden will be an ideal situation in most cases, for here the plants can be cared for at the same time with the potatoes and the corn, and what might otherwise be the drudgery of vegetable gardening will be lightened by the pleasures of flower gardening.

The soil should be good; Sweet Potatoes will grow in sand, but Gladioli will not, or if they do they will not amount to much. Good soil does not necessarily mean a rich soil, and it should not be a heavy soil. In fact the consensus of opinion seems to be that the Gladiolus does best in a light loam, well drained.

Drainage is important. Even a mucky soil, if well drained, is adapted to Gladioli, but if the soil is inclined to be wet, beware! You may have good growth and excellent blooms, but you will most likely find your bulbs diseased, and you may lose them all in a year or two. A clay soil is not advisable, for it is hard to keep

such a soil stirred as it should be.

Fully as important as the kind of soil is the preparation of it. It should be plowed or spaded deep, and thoroughly pulverized. Good preparation will save much time later in the season, for a soil that is in proper condition will be easily cultivated.



What kind of plant food, and how and when to apply it, is a question that has many answers. Perhaps no one answer is right and all the rest wrong. Some would use animal fertilizers while others prefer chemical; some apply broadcast and others in the row; some before planting and others on top of ground after planting. In fact, the variations on this theme are so many that much discussion would be bewildering, so I will give only the method I have employed for the past ten years, and let it go at that; the results have been satisfactory, and it is results that count.

As early in the Spring as possible poultry manure is spread broadcast with a manure spreader. This is then plowed under as deep as two horses can cover it, and the ground is thoroughly harrowed, first with the disc and then with the spike tooth harrow, until the surface is level. The ground is left in fine condition, ready to be furrowed out later.

In a small garden you will, of course, substitute a shovel for the spreader, a spading fork for the plow, and a coarse iron rake for the harrow, but the results will be as good. Break up the upturned lumps with your fork, rake over the surface thoroughly, and your ground is ready.

Where nothing but poultry, or sheep dressing, or commercial fertilizer is used, it is necessary to plow under some rye or other green crop every two or three years, or in some other way to supply the humus needed to keep the ground in a mellow condition. If your garden is a small one, and you have a compost heap, you can make your weeds, dead leaves and old flower stalks over into humus, which can then be spread over the garden and spaded in. As stable dressing contains straw (though sometimes also dangerous weed seeds) it supplies its own humus, and can be used to advantage if it can be had.

But no matter what you use for fertilizer, it is not advisable to grow Gladioli in the same spot year after year, for two reasons. The first is disease. There are several diseases that attack the Gladiolus corm, causing it to rot, and the spores of these diseases appear to live over Winter in the ground where they are ready to attack the new planting in the Spring. Various solutions have been recommended for soaking the bulbs before planting, but they are not entirely successful, and it is much easier to avoid these diseases by planting in different ground, for example, shifting Gladioli to the place where your Dahlias were the previous year, and not planting in the same ground for at least two years. Even quite badly diseased bulbs can be cleaned up in this way, though unless they are of a valuable variety it would be better to throw such stock away. Not only will the bulbs be benefited by a change in location, but so will the garden; rotation of crops is not a theory, it is very practical. By practicing it your Gladioli and Dahlias will be kept free from disease if they were reasonably healthy to start with.

But there is another reason for growing Gladioli in different ground each year, especially if you grow any small stock of bulbets. It is practically impossible to take up all the little bulbets that form around the mother bulb, and some of these are sure to live over Winter and come up next Spring. Of course you will not care unless you want to keep your different varieties separate, but one little bulblet left in the ground last Fall may grow to a good-sized bulb by next September, and though it will probably not bloom this year, it will

have formed other little bulbets which you will gather with the rest when you dig your stock, and from then on you will not have separate named varieties, but a lot of mixtures. And, unfortunately, it is the common varieties that, as a rule, multiply fastest.

If you do not care about keeping varieties separate, never mind what I have just said, but if you do care—look out! Plant in a different spot, and hoe up the "volunteers" as they appear; they are the "rogues" when they appear in a row where they do not belong, and should be treated like weeds.

Directions for planting the bulbs might seem unnecessary, but since we heard of the woman who bored holes in the ground with an iron bar (or was it a broomstick?) and jammed the bulbs into the hole with the same bar, we are not so sure. Of course a hole should be dug with a trowel, or a furrow opened, and the bulbs planted right side up in orderly fashion, anywhere from four to six inches deep, or shallower if there is any danger of poor drainage. If you are planting deep it will be better not to fill the hole or trench more than three inches until the plants are up.

Deep planting helps to keep the stalks erect without staking, which, except in a small garden, is a nuisance and expensive; but, more than that, in a dry season the roots will be down where the moisture is. And remember, that even though you plant six inches deep your new bulb will be a little less than that, for it forms on top of the old one.

Whether you plant in masses, or in single or double rows, is largely a matter of convenience, depending on the effect you want. The bulbs will do well if planted two or three inches apart, and in double, or even in triple rows; or they may even be in single rows, and six inches or more apart. But if far apart the plants should be staked; close together they help to hold each other up.

After all, the most important factors in securing good results are food and cultivation. Not even water will take the place of a hoe, and clean cultivation will usually make watering unnecessary. But if you do water, do it thoroughly, not merely wetting the surface of the ground. Care in cultivation will be more than repaid in the size and beauty of the bloom, and in the growth of the new bulb.

Having planted your bulbs, and tended them carefully for about eight weeks, you will begin to reap your reward if you have any of the early-blooming varieties on your list, for as soon as the spikes begin to poke their way up from between the leaves you will watch them with interest. From planting to flowering takes from 60 to 100 days, according to the variety, varying a little with the season, and we can divide our list into Early, Midseason, and Late varieties, and as there are so many that bloom in "Midseason" we will divide that list again. In the list that follows we have included some of the better known varieties, and have based the division on average conditions in Massachusetts, New York and the Middle West. Farther north the blooming time will be delayed a few days, while farther south it may come a little sooner. Early plantings take longer to come to blooming than those made after the ground is thoroughly warm, say from the 10th to the 20th of May, so that little, if anything, is gained by planting in April, and all of the divisions given below are based on May plantings.

(Continued on page 111)



# HILL AND HOLLOW PAPERS

BY FLORENCE BOYCE DAVIS

Number Four

## THE CROCUSES ARE UP

The sun has worn the ice away  
Around our cottage door,  
And trickling rills at random play,  
And ramble and explore;  
We've run the gantlet once again,  
We've drained old Winter's cup;  
Soft winds, come on,—come, Summer rain,—  
The Crocuses are up!

Some wear the purple, some the gold,  
And some in white are clad,  
They've pushed up boldly through the mold  
To make the weather glad;  
And Winter's put his armor by,  
And broken is his spear;  
Come bluebird,—Spring is in the sky;  
The Crocuses are here!

There were some days when it seemed as if it would never come, but it is here—the glorious Springtime, filled to overflowing with new life, and bursting buds, and the singing of birds. Of all the great inventions of the age, by means of which men have harnessed steam and electricity and gas, and traveled over sea and land and through the air, there still is nothing else that will take us toward our destination so swiftly and surely and relentlessly as Time. So, though we sometimes felt that Spring might be having a little engine trouble, we really knew all the time it would get here after awhile.

And now, the Crocuses are up! Did you ever think when you saw them abloom on your lawn and in your garden of how they happened to be there? Little emigrants they are, foreigners on American soil. They are the Greek, "the first coming of the breath of herb-  
age," and meant to him what the snowy bloom of the pink and blue Hepaticas mean to us.

PHILADELPHUS, SYRINGA OR MOCK ORANGE

From *Crocus vernus*, native of southern Europe, has come many of our lilac and white varieties; *Crocus biflorus*, also European, has given us the Scotch Crocus; the forebears of our Yellow Dutch Crocus, *C. mesasiaticus*, ranged from Transylvania to Asia Minor; the parent of our purplish-veined Crocuses came from Lafayette's country, and was known as *Crocus versicolor*, grow-

ing wild in the mountains of southern France; *Crocus susianus* is our favorite Cloth of Gold, and hailed from Crimea. Then there is *Crocus sativus*, from Asia Minor, which is a Fall bloomer. In old times our grandmothers insisted that all babies should drink saffron tea in order to acquire a clear complexion. From the orange stigmas and a portion of the style of *Crocus sativus* comes the saffron; so



CROCUS VERNUS

you can see what a debt of gratitude Americans owe to this particular Crocus. Since the dear old grandmas passed on, saffron tea has lost its repute, but in Oriental countries saffron is still much used as a medicine. *Crocus sativus* also yields a strong-scented oil and a rich yellow dye.

How interesting it is to look into the history of our garden folk! They take on a new importance when we study their lineage.

These are the days when we feel the impulse to prowling about in the open, look over the shrubbery, and peer through the beds and borders to see if the tips of bulbs are sticking up out of the wet ground. Our *Primula Polyanthus* that edge a big bed of *Iris Kaempferi*, are looking hale and thrifty, as if they passed the Winter quite comfortably. Some say they should be protected with a light covering of hay or dry leaves, but we have never covered ours, and as the thermometer in our section occasionally registers thirty degrees and more below zero, we believe we can safely say *Primula Polyanthus* is hardy. The plants cannot stand a dry, hot place, but set in a cool, moist, semi-shady situation they are wonderfully satisfactory. They are profuse bloomers in early Spring, and are fine for cutting. Their whorls of rich red or clear yellow blossoms are laced with beautiful combinations of crimson and gold.

It will be some time before we see any little green spears up in the Japanese *Iris* bed. We were mindful last Fall to cut the leaves after they ripened, because the year before meadow mice made their Winter quarters under them, and nice, thatched roofs the mat of leaves made for the little pests. They showed their appreciation by dining on the roots, so we had few



ENGLISH DAISY



blossoms, although the Irises survived and grew well through the season

While we are roaming around in the sunshine, picking our first garden bouquet of the season, Hepaticas, a Pansy or two and little,



DOUBLE ALTHEA

short-stemmed English Daisies, we see Sarah across the fence. "Ain't this a grand day?" she calls over, without raising her eyes from the ground she is spading. "Grand! just grand! I'm digging Horse-Radish for Easter; got to have ham and eggs and Horse-Radish for Easter, you know. And it won't be long till we'll be having new Rhubarb pie. I tell Abraham it is grand

to be alive when Spring comes! Here's a Tulip up already."

We find some of the Foxgloves have Winter-killed; they always do, but we have a row of last year's "extras" set out in the vegetable garden from which we replace any that have died out in the borders.

The Canterbury Bells were raised last year from seed sown in boxes in the house, later set out in a bed in the garden, and in September transplanted into their permanent places. Three-foot wire netting stretched behind a row of Canterbury Bells made a good support for them. We tied the plants to the wire with green raffia, and when the row was loaded with big blue and purple and white and pink bells it made a wonderful picture.

One should take a few lessons from one experienced in pruning before he starts out in the Spring with the pruning shears, determined to barber the shrubs. If the instructor isn't to be had, there are a few rules which will help. One is, early-



SPIREA ANTHONY WATERER

flowering shrubs should not be pruned until after they have bloomed, as they bloom on last year's wood and if you cut that away you lose your bloom for this season. After they have finished blooming, cut the old wood out. Altheas, Hydrangeas and other late-flowering shrubs should be pruned in early Spring, as they bloom on this season's growth, and cutting them back induces a more vigorous new growth.

Even a few shrubs set in the right places add such a lot to the appearance of our homes. The Spireas are among the most beautiful, as they are also among the most hardy. The one that blooms first is Spirea Thunbergii which, though described as a dwarf will grow five feet tall if favorably placed and nourished. It blossoms along with Forsythia and Magnolia stellata. The leaves, yellowish green in Summer, change to purplish and then to brilliant orange and scarlet in late Autumn. It comes to us from Japan.

Spirea prunifolia is the old favorite Bridal Wreath, a double variety which Japanese gardeners developed. It is a tall-grower, and blooms early upon rigid stems. It lacks the grace of Spirea Van Houttei, which is believed to have been derived from an Asiatic species and is regarded by many the finest of all the Spireas. When in bloom in May or June, Spirea Van Houttei looks like a white fountain, the flowers cover the stems which arch gracefully, the tips of many even touching the ground.

There are many dwarf varieties, among them Anthony Waterer's Spirea which bears rose-colored flowers in Midsummer.

Our native Meadow Sweet that grows wild in Nature's borders along our fields is worth cultivating. We were delighted when we found one had come up in a corner of our wild garden, where each Summer it stands guard over the Lady's Slipper bed. Nature has

many secret ways of distributing her seed, and her gardens are legion. Her woodland borders will bear copying; trees in the background, and in the foreground shrubs and a fringe of

low bushes and Ferns, interspersed with great white umbels of Cow-Parsonip, yellow Coneflowers, and blue and white Asters. And everywhere her creed seems to be to make things more beautiful. When man enters her arboretum and makes havoc, cutting down timber, leaving half-



JAPANESE IRIS

cleared tracts behind him, she goes to work to restore order and cover the scars, clothes the stumps in moss, sends up Ferns and under-

(Concluded on page 116)



FOX GLOVE

A. BLANC. PHILA.



# THE PINE TREE NATURE CLUB

CONDUCTED BY

## THE BIRD WOMAN

### FROGS AND SPRING FASHIONS

**A**PRIL 1st. This is All Fools' Day, and the Bird Woman hopes you boys and girls have made the most of it and had a lot of fun. It wasn't so very many years ago that she used to fill the sugar bowl with salt, and sew the doughnuts together, and crook her father's breakfast plate and then write April Fool in big letters across it. This trick never failed, for year after year he always forgot and turned his plate over.

The Bird Woman had a good time "growing up"; that is why she wants other boys and girls to have good times, too. "All work and no play" makes Jack a dull boy"; but there is another way to put it: All play and no work makes Jack restless and dissatisfied. And so we must have both. And nobody else must do our work for us. You young people who make and tend your gardens this Summer will get more pleasure out of them than you ever got out of your father's and mother's gardens, for there is real enjoyment in doing the job ourselves! And it is just that way in the Pine Tree Nature Club; that which you will enjoy best won't be what the Bird Woman tells you, it will be what you see, and hear, and find out for yourselves. The Bird Woman is only going to point the way.

Our study topic this month is Frogs, and Spring Fashions. Many years ago, long before anyone who is living now can remember, Dame Nature made a fashion plate of Spring styles, and it pleased her well, and she has never changed it. It would be quite confusing, wouldn't it, if she were to announce: the prevailing colors this Spring will be henna and Harding blue? Think of henna Pussywillows, and Harding blue blackbirds! But not She

sticks to the good old fashions she has given us year after year, and somehow, each Spring they seem new and beautiful. The Pussywillows wear the same soft, silvery-gray they have worn for Springs innumerable, and the red-winged blackbirds come back in their new black coats with scarlet epaulettes bordered with yellow. Greens and browns are perhaps the favorite Spring shades in general, with soft pastel tints all over the landscape. Here and there a red Maple glows in the sunshine like a rosy cloud, or a shad bush stands out against the forest veiled in its white Spring blossoms. Nature gives us plenty of color in the Spring, but the beauty of it is, every single individual of her vast family knows just what he is expected to wear, and wears it. What a lot of fuss and feathers this must save!

Not only in the matter of color does she keep her schedule true, she has her musicians picked and ready, each band with its own programme, each soloist his own repertoire. The birds, of course, are her star songsters; but there are also the frogs and toads, who sing us their primitive songs with all the gusto of great performers, depending on their numbers for the effect of their concerts. Some fine morning this month we start out to see what birds have arrived, and as we stand listening to the Red-wing's "O-ka-lee" that comes up from the Cat-tail swamp, we hear a little voice go, "Pe-e-p, pe-e-p, pe-e-p"! Ah, that was a Spring Peeper, just tuning up. Suddenly the sun goes under a cloud, which is a sign for the concert to begin, and it does begin in earnest! You can hear it a quarter of a mile away, and as you draw nearer it gets louder and louder till, at the edge of the marsh, your ears are fairly



THE LILY POND, HOME OF THE FROGS



splitting with the sound. Now these are the Peeping Frogs, or Spring Peepers (*Hyla pickeringii*). Have you ever seen one? They are little fellows, the males about one inch long, the females a little larger. In color they are sometimes yellowish brown, sometimes grayish or reddish brown, or even a salmon tint; there is a V-shaped mark between the eyes, an oblique cross on the back, and bars on the legs; underparts light, and the throat of the male brown. When he sings his throat is his bagpipe, and it is inflated till it looks like a big bubble half as large as the whole frog. He keeps his mouth closed while calling, and when he has finished the big bubble collapses.

Mary C. Dickerson says of the concert: "It sometimes remind us of a loud jangle of musical sleigh-bells. It is somewhat difficult to isolate a single voice from the chorus. If we do so, we find that it is high pitched, loud, penetrating, and usually not trilled. Occasionally an especially enthusiastic call is strongly trilled. It is not exactly a whistle, nor is it flute-like; but it is more like the thin, sweet sound of a pipe. Each prolonged note seems to be made up of two tones, the first lower and sliding into the second."

The Peeping Frogs may be heard from March until late in May. Possibly you may have seen the little fellows, and thought they were just baby frogs instead of full-grown frogs. They are certainly the Punch and Judy folks of the frog world.

In New England, when the frogs begin to call in the Spring, the men say, "Sugaring is about over; we won't get anything after this but a frog run!"

The Leopard Frogs, the Green Frogs and the Wood Frogs, wake from their Winter sleep early in the Spring, and it makes an interesting study to find which kind is doing the croaking that we hear during the Spring months. The



voice of the Leopard Frog is described as a "snoring croak or rattle", rather musical, but not loud; the Green Frog is the one who goes "K-tun-n-ng"! as he leaps into the

the pond, and his croaking sounds much like a farm wagon rattling over the road at a distance. The Wood Frogs' voices are hoarse, and low-pitched, and they make a great clamor during the breeding season, which is in early Spring, though later they are very silent. Start up a Wood Frog along a path in the woods, and away he goes with a great leap, but always lands facing you. Leopard Frogs live near water, but take long hunting trips out across our meadows, picking up beetles, grasshoppers, spiders and other tidbits. In New York they are called Grass Frogs, and in Florida, Spring Frogs. The male is about three and one-half inches long, female larger; their color is described as green, gray or brown, and changing from one color to the other, while underneath they are pearly white. The Leopard Frog is the one we most often see as we walk through meadows or grassy orchards.

The Green Frog is sometimes confused with the Bullfrog, as the two look alike, and neither is apt to get far from the water. Adults are a metallic green with lower back and sides dull olive. Conspicuous lateral folds of skin extending from the eyes to the posterior part of

the body will help you to tell a Green frog from a Bullfrog, which has no such folds. Mr. Green Frog can also be distinguished from Mrs. Green Frog by his larger ear and yellow throat. Her throat is white, and she is larger than the male.

The Wood Frog is a land frog, though he likes to live near brooks, and is a powerful swimmer. They are small brownish frogs, the male about two inches long, the female three inches, and they can always be known by their dark cheek patches.

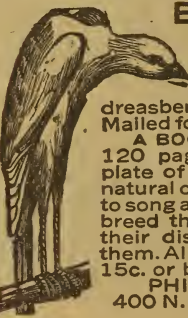
Now these are only a few of our frog neighbors. There is the little common Tree Frog, who wears different colored suits on different occasions, and lives for weeks and even months in one particular tree; the Cricket Frog, generally three-fourths of an inch long or even less, that will perch on a water weed and puff out his yellow throat and sing to us; the Pickerel Frog, which you may take for a Leopard Frog, unless you notice his spots are square instead of round; and many others, all interesting to get acquainted with.



You will need a good frog book to help you study them and live specimens can be kept in a moss-garden under wire screen. Be sure that a dish of water is in one corner, and their natural food supplied while you have them caged. When possible, it is nice to study them in their haunts, as they are just themselves there, and haven't on their company manners.

We cannot leave out the American Toad, that gentle old fellow who loves to live beside us, haunt our gardens, and, like orphan Annie, "earn his board and keep". It is estimated that sixteen per cent. of a toad's food consists of cutworms, nine per cent. of tent caterpillars, nineteen per cent. of weavils and other injurious beetles; and when we consider that a toad will eat 9,936 insects in three months we get something of an idea of how valuable he is among our plants. Gardeners in France buy them to put in their gardens. You boys and girls who have gardens this Summer want to be sure to invite Mr. Toad to walk in and make himself at home. He's not only a good hunter, he is also a fine musician. The toad's song has been called "one of the most beautiful sounds in nature."

From the time the little baby toads leave the pond and hop off to seek their fortunes, till they become fat, old, wise-eyed toads, their life is full of interest. Whether Mr. Toad is "playing dead" to save his life from some enemy, or burrowing backwards into his house, digging



## BIRD MANNA

Makes Canaries Sing—restores their health and feathers. 'Tis the great secret of the Andreasberg. Sold by all druggists.

Mailed for 15c. in coin or stamps. A BOOK ON CAGE BIRDS.

120 pages, 150 illustrations, a plate of fancy canaries in their natural colors. Full information as to song and rare canaries. How to breed them for profit. Hints on their diseases and how to cure them. All about Parrots. Mailed for 15c. or book and Manna for 25c.

PHILA. BIRD FOOD CO.  
400 N. 3rd St. Philadelphia, Pa.



it and moving in at the same time, or sitting, the picture of comfort, while a warm Spring shower soaks into his skin, he is always comical and interesting. We saw a snake once with a partly swallowed toad in its jaws. The toad's head and forelegs protruded, his big eyes bulged in fear and pain, and we immediately went to the rescue. As the snake released his hold the toad struggled out of his jaws and hopped off. As it came to some plantain leaves it stopped and ate the leaves greedily. We were told afterwards that this is the toad's antidote for snake poisoning. Surely the little animals have a way to learn things without books!

The Bird Woman has sometimes seen boys who appeared to enjoy torturing frogs and toads, but she has a pretty poor opinion of a boy that will do it. Abraham Lincoln never took delight in hurting any little creature that was weaker than he, and Abraham Lincoln is a good model for any boy to pattern after. Study the wild life about you, boys and girls, and learn all about it, but be kind to everything.

### TO THE BOYS AND GIRLS

The topic for May will be "Our Allies: the Birds". We will talk over some of the work they do for us, and then take a vote and decide whether we think they deserve our protection.

The Bird Woman hopes to hear from boys and girls who are planning gardens for this season; and also from some who are starting local Nature clubs. Why not call each one The Pine Tree Nature Club, and give it a number? For instance, the first one that is organized will be The Pine Tree Nature Club, No. 1, the second that reports to us will be No. 2, and

**FREE** "3-in-One" oils sewing machines perfectly. Cleans out dirt and grease and lubricates every delicate part so your

**Sewing Machine** works more easily, more smoothly and lasts longer. You do more work, better work, with half the labor. Prevents rust on all metal parts; saves cost of expensive repairs. Generous trial bottle and new booklet free.

**3 IN 1 OIL CO.**  
165SM  
New York

### What 15c Will Bring You From the Nation's Capital

Only 15c gives you the **Pathfinder** 13 weeks on trial. The **Pathfinder** is a cheerful illustrated weekly, published at the Nation's center for people everywhere: an independent home paper that tells the story of the world's news in an interesting, understandable way. This splendid National weekly costs but \$1 a year. The **Pathfinder** is the **Ford** of the publishing world. Splendid serial and short stories and miscellany. Question Box answers your questions and is a mine of information. Send **15 cents** and we will send the **Pathfinder** on probation **13 weeks**. The 15c does not pay us, but we're glad to invest in new friends. The **Pathfinder**, 792 Langdon Sta., Washington, D.C.



## Alexander's Dahlias

Your Choice of a

### "Hundred Forms and a Thousand Colors"

Wouldn't it be enjoyable to have a flower garden from which you could cut flowers of all colors and all forms for from three to four months? That is the kind of a garden you have if you plant Dahlias.

**Five "Sure-to-Bloom" Dahlias, \$1.00**

**Sent Prepaid (Tubers)**

Frank A. Walker, lavender-pink Decorative

Robert Broomfield, pure white Show

Libelle, purple Cactus

Rose-pink Century, pink Single

Vivian, white and rose Show

**Illustrated Catalogue Free—Please Ask For It**



The Dahlia King

## J. K. ALEXANDER

Largest Dahlia Grower in the World

5-15 Central St.

East Bridgewater, Mass.



15-22

**30  
DAYS  
FREE  
TRIAL**

**Post Yourself**

INVESTIGATE Walsh no-buckle harness before buying harness. Let me send this wonderful harness on 30 days' free trial. Outwears buckle harness because it has no buckles to tear straps, no friction rings to wear them, no holes in straps to weaken them. Highest quality of leather.

**Try Walsh Harness on Your Team**

Costless, saves repairs, wears longer, fits any size horse perfectly. Made in all styles, back pads, side backers, breeching-less, etc. LIBERAL TERMS, cash or note, no extra charge for credit. Write for FREE catalog and new reduced prices.

James M. Walsh, Pres., WALSH HARNESS COMPANY  
Dept. 2GG137 Keefe Ave., Milwaukee, Wis.

**WALSH HARNESS CO.**

## FREE FOR THREE MONTHS Texas Oil Bulletin

Issued weekly and edited by oil and financial experts. Covers the whole field of development of the amazingly rich oil fields of Texas. Very extraordinary events are forecasted for the coming few weeks. To introduce this publication, we will mail the Texas Oil Bulletin to you for three months Absolutely Free. Write for it today.

**TEXAS OIL BULLETIN**

1107 Waggoner Bldg. Fort Worth, Texas.



**SAVE YOUR BUILDINGS  
BUY PAINT DIRECT AT FIRST COST  
MADE FRESH FOR YOUR ORDER**

**I Pay The Freight -- Quality The Best**

It has the FULL LIFE in it when delivered to you.

**GUARANTEED for 5 and 7 years**

You will be greatly pleased after you use it. Instructions for painting with each order. Write today for my FREE PAINT BOOK and Color Cards. Tells why paint should be fresh. Established 1903.

O. L. CHASE, The Paint Man, Dept. 78 St. Louis, Mo.

## STRAWBERRY PLANTS

We are firmly convinced that our **Jersey Queen Strawberries** are without exception the best all around berries grown, by anyone, anywhere.

Largest, Reddest, Juiciest, Sweetest, Firmest, Best Keeper. Excellent for Home Consumption, Canning or Shipping.

Plants are well grown, properly selected, strongly rooted, freshly dug on day of shipment, carefully packed, and are guaranteed to reach you in healthy planting condition, or we refill order.

Strawberries are easily and quickly grown. Nothing more delicious than a saucer of Jersey Berries with Jersey Cream. Never before have we offered so fine a lot of plants. Order early, prompt shipment and satisfaction guaranteed.

100	JERSEY QUEEN PLANTS	\$1.50
500	"	\$7.00
1000	"	\$10.00

We prepay mailing charges on all orders of 500 plants or less. Larger orders by express.

**JERSEY SEED FARMS, 155 Water St., New York.**



so on. Any information you want about organizing, the Bird Woman will gladly give you. A president, vice-president, secretary and treasurer are about all the officers you need. The president will appoint committees for different work, such as programme committee to prepare the programme for the next meeting; a specimen committee to get specimens of flowers, etc., and label them for exhibition if they are to be shown in your library or school; and any other committees that you find you may need. One doesn't have to be versed in parliamentary law to run a nature club. Just a few simple rules and a lot of interest is all you need. There is both fun and profit in it. The Bird Woman has been connected with a nature club for years, and she firmly believes that the best kind of a club that was ever organized is a nature club. Try it, boys and girls. Let us know when you start a Pine Tree Nature Club, and we will give you a number. Who will be No. 1?

### PINE CONES

Each month under this heading we will print brief items of interest to nature folk. When you read a good one send it in.

The January Sunset Magazine has a delightful article by Enos A. Mills, entitled "Being Nice to Skunks". We quote from it the following, which shows one that even little animals have their games.

Mr. Mills writes: "I was a wallflower at a skunk dance! Near my cabin one autumn noon I turned from the edge of the woods to look across a little grassy meadow. Five grown skunks, evenly spaced in a circle twelve or fifteen feet in diameter, were at play. All stood at attention, facing the center. As though at a signal the skunks sprang forward with stiff-legged jumps toward the center. They met in concert at the hub of the circle, noses together, and stood motionless for several seconds. Then



in unison each bobbed backward to the place from which it started and stood facing the center. Once more all together, jumpety-jump, they went to the center. Then noses together they waited in silence as though for a signal to separate and return. Backward and forward several times they moved in this play-dance, all keeping time, pausing at the center with noses together, pausing singly on the edge of the circle; all starting, stopping and moving with the regularity of clock work.

"Other enormous wheels tracked and trampled in snow showed that this is one style of skunk play."

## PINE NEEDLES

### April Questions

I. Where and when are eggs of toads and frogs to be found?

II. How old are tadpoles when they first open their mouths?

III. What do tadpoles eat?

IV. How do tadpoles get rid of their tails?

V. What happens if a tadpole's tail gets bitten off, or if, while changing to a frog, he loses a limb?

VI. How old do toads live to be?

VII. Where are the ears of frogs and toads?

VIII. Which end of a toad's tongue is attached?

IX. When the Green Frog moults, what becomes of the skin?

X. How and where do frogs and toads spend the winter?

### Answers to March Questions

I. Skunk Cabbage.

II. Arum family.

III. The Calla Lily and Jack-in-the-Pulpit.

IV. One-flowered Broom-rape, Indian Pipe. Common Dodder, and Beech-drops.

V. Blue is the favorite color of bees.

VI. Red attracts humming birds. Notice them around the Bee Balm and Scarlet-runner Beans.

VII. The Cardinal Flower (Lobelia cardinalis) and the Blue Lobelia (Lobelia siphilitica).

VIII. The common yellow Dandelion. Nothing discourages it. It is said that after soaking in the briny ocean for twenty-eight days the seeds will still germinate.

IX. Lupine, Wood Sorrel, Ground-nut, Wild Bean. Of the latter, William Hamilton Gibson says: "At midnight the leaves of the Ground-nut and Wild Bean are hardly to be recognized in their queer antics. The garden beans, too, play similar pranks. Those Lima bean poles of the garden hold a sleepy crowd."

X. The Lily, Tulp, Hyacinth, Squill, Funkia and Yucca.

### NO BABY IN THE HOUSE.

No baby in the house, I know,  
'Tis far too nice and clean.

No toys, by careless fingers strewn,  
Upon the floor are seen,

No finger marks are on the panes,

No scratches on the chairs;

No wooden men set up in rows,

Or marshalled off in pairs;

No little stockings to be darned,

All ragged at the toes;

No pile of mending to be done,

Made up of baby clothes;

No little troubles to be soothed,

No little hands to fold;

No grimy fingers to be washed,

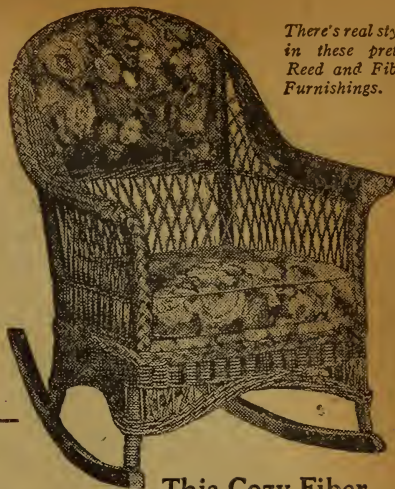
No stories to be told;

No tender kisses to be given,

No nicknames, "Dove" and "Mouse";

No merry frolics after tea—

No baby in the house! By Clara G. Dolliver.



There's real style  
in these pretty  
Reed and Fiber  
Furnishings.

This Cozy Fiber

## Rocker 20c a Day

Furnished in the popular Frosted-Gray. Other Rockers, Chairs, Settees, Day-Beds in fiber and reed all on little monthly payments. Substantial, beautifully designed Furnishings for the whole home, shown in our big 128 Page helpful, FREE Larkin Book of Better Homes.

- ☐ Furnishings
- ☐ Symphonic Pianos
- ☐ Symphonic Player Pianos
- ☐ Symphonolas

(Check offer interested in)

Symphonic Pianos, Symphonic Player Pianos and Symphonolas (the phonograph with natural tone, which plays all Records) sold to tens of thousands of music lovers the past nine years. Get our Book describing these famous musical instruments by checking above.

**NO Money Down—30 Days FREE  
Trial—1 to 4 Years TIME**

Check offer now. Cut out this ad. Give your full name and address. Mail TODAY.

*Larkin Co. Inc.*

Desk FPFM 422

Buffalo, N. Y.

## BEAUTIFUL ILLUSTRATED CACTUS and FLORAL CATALOGUE. WITH CULTURAL DIRECTIONS

Out March the 15th. Price 25c, or one Free with order amounting to \$3.00. You cannot afford to miss this Unique Catalogue, has many Bargains offered in Cactuses and Plants.

Canutillo Curlo Co., Box 74, Dept P. Canutillo, Texas.

## BACHELORS

**\$1.00** Join Our National Club. Get "Bachelorite" gold filled Ring. **Latest Fad!** Ring and special bargain offers sent postpaid for \$1

### BACHELOR NOVELTY SHOP

136-138 Pearl St. New York, N. Y.

**MENDETS - WONDER MONEY MAKERS**  
mend leaks instantly in all utensils, hot water bags, etc. Insert and tighten. 10c & 25c a package, postpaid. Free Samples to Agents  
Collette Mfg Co., Box 476 Amsterdam, N. Y.

## GRECHEN

In the land that lies over the sea,  
That low, flat land of the Zuyder Zee,  
I knew in the years that used to be  
A little Dutch garden where always grew  
Hyacinths wonderfully, deeply blue,

# FRECKLES

## Now Is the Time to Get Rid of These Ugly Spots

There's no longer the slightest need of feeling ashamed of your freckles, as Othine—double strength—is guaranteed to remove these homely spots

Simply get an ounce of Othine—double strength—from your druggist, and apply a little of it night and morning and you should soon see that even the worst freckles have begun to disappear, while the lighter ones have vanished entirely. It is seldom that more than one ounce is needed to completely clear the skin and gain a beautiful clear complexion.

Be sure to ask for the double strength Othine, as this is sold under guarantee of money back if it fails to remove freckles.

As the eyes so loving and tender and true  
Of the maid who walked with me

A little Dutch maid with 'kerchief fair,  
And white caps over her flaxen hair,  
And red lips sweet beyond compare.  
Her wooden shoes held a rhythmic sound  
As her small feet pattered over the ground,  
When together we sought, together found  
Blue Hyacinths blossoming there.

Oh, that low flat land of the Zuyder Zee,  
Why is it so strangely changed to me,  
Though I know it is just as it used to be?  
With softly blending sea and sky,  
And windmills that circle and soar on high,  
And flower-laden boats drifting slowly by  
To the city beside the sea.

The garden is there beyond the gate,  
But the flowers seem always to wait, to wait,  
From early morn till the eve grows late;  
As my heart has waited year after year  
For the little Dutch maid so dear, so dear  
Who no more will walk in the garden here—  
Ah, me, so bitter is Fate!

—Mary Elizabeth Humphreys.

# New Hair Growth After BALDNESS

Many persons are reporting a new growth of hair, after baldness, through the use of Kotalko, a compound produced from the Three Kingdoms of Nature.

Miss Ada Pitcoe reported the top of her head was almost as bare as her hand and that she had itching dandruff; after a week's use of Kotalko the itching stopped, the hair began to grow and thicken covering the baldness.



Photo when bald

John Serbielle reported that 18 years ago he became completely bald. He had tried to regain his hair by using many tonics, lotions, etc., but without avail. While using Kotalko faithfully the hair began to grow and now his head is all covered with hair.

The man who brought Kotalko into general use, John Hart Brittain, traded among the Cherokees in the old Indian Territory. He had been bald and his hair began growing again when he used the compound from Three Kingdoms of Nature, adapting from the formula.

William J. Knight wrote: "I had a large bald patch on the top of my head. Through use of Kotalko hair is now growing nicely."

Miss Alma Henke: "I had dandruff and my hair was falling out. By using Kotalko, the dandruff is completely gone, the hair has stopped falling and a new growth is coming."

Alex Ennis: "I never thought I would have hair again as I had been bald so long. Now the hair is growing, due to Kotalko." Use Kotalko for children's hair also.

Julia Kupferschmidt: "It is surprising how quickly Kotalko does its work. I have used only one box and the hair is growing all over my head again."

Albert H. Flary: "My head was as bare as the bottom of my foot. Since using Kotalko there has come a nice, thick growth of hair."

## Write For Proof Box

Frank J. Cline: "For a number of years I was completely bald over a large spot on the back of my head. I had tried many advertised things without benefit and never expected to have hair again. Then I was induced to use Kotalko and am astounded at the result. My head is becoming covered with a new growth of hair."

If you are troubled with falling hair, itching scalp, dandruff or baldness you may obtain a Proof Box of Kotalko by sending only 10 cents, silver or stamps, to help pay for this notice, packing and postage. A new book will come to you FREE in same package. Get KOTALKO now.

Watch in your mirror! Don't fail to enclose 10 cents. Address as below:

KOTAL COMPANY, BC-406 STATION X, NEW YORK



After hair growth



Kotalko is wonderful for women's hair



# THE GLADIOLUS GARDEN

(Concluded from page 102)

## Early Varieties

## Late Midseason

Chicago White  
Empress of India  
Halley  
Lily Lehman  
Myrtle  
Prince of Wales

Blue Jay  
Dawn  
Glory of Holland  
Klondyke  
Master Wietse  
Mrs. Francis King  
Mrs. Frank Pendleton  
Mrs. Watt  
Niagara  
Panama  
Peace  
Pink Perfection

## Early Midseason

## Late Varieties

America  
Baron Hulot  
Dominion  
George Paul  
Glory  
Herada  
Ida Van  
Loveliness  
Mary Fennell  
Minnesota  
Scarsdale  
Schwaben

Europa  
Evelyn Kirtland  
Golden King  
Gretchen Zang  
Independence  
Pride of Goshen  
War

The flowering season can be prolonged by making another planting of several varieties two, or even three weeks later, or as late as July 1. The later planted ones will come along faster than those of the same variety in the earlier planting, but it is best to choose the early-flowering kinds for this purpose. There is no reason why you cannot have flowers for cutting, from about the middle of July until the severe frosts of September.

When cutting flowers for use in the house use a sharp knife, taking a few leaves with the flower stalk, but leaving three or four on the plant. These are necessary for the maturing of the new bulb. If cut when the first flower is opening the buds will develop in the house and practically all of them will open.

Remove all faded flowers each day, trim a little off the stem in a slanting cut, and give fresh water, and your cut flowers will last in good condition a week or longer; and even then the tips of the spikes can be cut off and used with good effect in a broad, low bowl.

I have purposely not taken up the question of harvesting and caring for the bulbs over Winter, for this can be better left until later in the season. The points that we have gone over are the ones that will soon confront us, for the garden season is at hand. But the one point that should come first of all in importance I have purposely left to the last, and that is: mix with your planning and your planting a little common sense. If you do this you will find that there are no mysteries connected with Gladiolus growing, and as there are no serious insect pests, and, if you start with healthy stock, no very serious diseases to contend with, even a beginner can be a successful grower, and when once successful, is sure to become an enthusiastic booster for "The Gladiolus Garden".

Thomas M. Proctor, Massachusetts.

Dear Floral Friends: Last year I bought a packet of Dahlia seed and planted it early in a box. Twenty-three plants came up. Later I set them in a rich row and lost only one of them. They bloomed from the last of June until frost and were the admiration of our neighborhood. There were no two alike; one stalk had a dark red, and a white and red mixed on the same plant.

Arbutus.

Look!

## Newest Linene Suit

Beautifully Embroidered

for Only

# \$3.98

SENT C. O. D.



## 2 Garments IN ONE!

The loveliest most fashionable model in the season's advanced style. Combines all the latest ideas in ladies' suit dresses. Can be worn as a guimpe dress or as a suit. A wonderful bargain at \$3.98 and we don't ask one cent in advance. Send for it, examine it and if dissatisfied return to us, and we will refund your money.

## Big Value

The illustration does not near express the wonderful value here offered. The style and cut is so charming as to attract instant admiration.

**TWO COLORS—**  
Blue or Rose.  
**SIZES—16 to 46.**

## SWISS Embroidered

in a dainty pattern as illustrated on excellent grade of linene. Long coat lapels fit snug at neck. New style bell shape sleeves. An \$8.00 value for only \$3.98. Order by No. 113.

## SEND NO MONEY

Just send your name and address today. No money. State size, color and number of dress. Pay postage \$3.98 on arrival, plus a few pennies postage.

Lee Thomas Co., Dept. 959 Chicago

**STEADY INCOME** Big Profits-Repeat orders-Your pay in advance-\$5 to \$15 daily introducing new guaranteed hosiery-must wear or replaced free. Experience unnecessary. You write orders, we deliver and collect. Outfits furnished, all colors and grades including silks. Mac-O-Cheer Mills Co., Desk 31, Cincinnati, O.

## THE FLOWER GROWER

(Published Monthly)

\$1.50 per year, sample copy 15c

Twenty four large pages of facts and information for the flower lover who works in his own garden. Madison Cooper, Publisher, 19 Court St. Calumet, N. Y.

**100 DUNLAP STRAWBERRY PLANTS 75c**

Postpaid. 1000 Dunlap \$3.25, 100 Everbearing \$1.25 postpaid. 50 varieties catalog.

**KIGERS NURSERY, SAWYER, MICH.**

**MONEY** Made quickly by smart men. ARTOL CO. 115 Nassau St. N. Y.



# BUY YOUR **PAINT** FROM THE FACTORY

## Get Our New Lowest Prices

Crosby EVER-WEAR paints are sold to you direct from the factory at factory prices. No middlemen's profits. We save you money. We can give you better quality and important reductions of cost. Crosby EVER-WEAR paints are *guaranteed* to the last drop. 20 years of manufacturing experience and thousands of delighted customers are our recommendations.

## TRIAL OFFER AND **FREE** PAINT GUIDE

With our **FREE TRIAL OFFER** we will send you our "Painting Guide," a valuable book containing many attractive color combinations and instructions for doing your own painting. You will note our **LOWEST PRICES**. Write today for free trial offer and painting guide.

**CROSBY-FRANK CO.**  
320 Peoria St. Chicago, Ill.

**Free  
Trial  
Offer**

## **WE PAY THE FREIGHT**

## **KELLOGG'S** *Great Crops of* **STRAWBERRIES** *and How to Grow Them* **THE KELLOGG WAY**

The most practical book on strawberry growing ever published. 68 pages of money-making information and art—34 pages in natural color. Written by America's most successful strawberry grower. Tells how he makes poor soil rich without manure or fertilizer. Gives his secrets for growing the big crops of fancy strawberries that won him fame and fortune. Send for this book right now and learn the **KELLOGG WAY**. A postal will do. It's **FREE**.  
**R. M. KELLOGG CO.**  
Box 442 Three Rivers, Mich.



## **LOOMS \$9.90** **AND UP. BIG MONEY** **IN WEAVING AT HOME.**

No experience necessary to weave beautiful rugs, carpets, etc., on **UNION LOOMS** from rags and waste material. Home weaving is fascinating and highly profitable. Weavers are rushed with orders. Be sure to send for free loom book. It tells all about weaving and our wonderfully low priced, easily operated looms.



**UNION LOOM WORKS, 280 Factory St. Boonville, N.Y.**

## **Flowerfood**



**MAKES FLOWERS GROW**  
With it roses, ferns, flowers and plants grow and thrive. Restores any plant not actually dead. Postpaid in 2lb. easy pouring package for \$1. money-order or check. Special terms to dealers.  
**The Flowerfood Co. Dept. P. Box 999. New Orleans La**

**WHY NOT** SPEND SPRING, SUMMER, FALL GATHERING Butterflies, Insects? I buy hundreds of kinds for collections. Some worth \$1 to \$7 each. Simple outdoor work with my instructions, Pictures, Pricelist. Get ready now. Send 25c. NOT STAMPS, for Illustrated PROSPECTUS. MR. SINCLAIR, Dealer in Insects, Dept. 31 OCEAN PARK, CALIF.



## **\$30. WEEKLY EVENINGS**

I made it. Booklet for stamp tells how. Plan, 25c. Alpk's Scott, Cohoes, N. Y.

## **Growing Annual Flowering Plants for Cut Flowers and Decorations**

(Concluded from page 99)

plants stocky and provides opportunities for the development of an extensive root system. In establishing various uses of the plants, it will be well to classify them according to the



**THE COSMOS FOR FALL BLOOMING**  
height they reach at maturity. Among the tallest-growing plants which are used for backgrounds and screens are the Castor Beans, Cosmos, Sunflowers and Sorghum. The Castor



**A SUNFLOWER TO HIDE THE FENCE**  
Bean is valuable because it is one of the few annuals which can be used to procure a semi-tropical effect. It grows rapidly, attains large size, and has rich, luxuriant foliage, ranging in color from green to deep bronze. The Cosmos



is a vigorous, tall-growing plant, notable for its bright, dainty blossoms, which appear in the Fall.

There are a large number of annual plants of intermediate type. Some of the taller of these, that grow three or more feet high, are the Basket Flower, Feather Cockcomb, Dahlia, Larkspur, Prince's Feather and Summer Cypress. Among the plants which grow about thirty inches high are Larkspur, Scarlet Sage and Zinnias, while good low-growing varieties include Nasturtiums, Pansies and Sweet Alyssum.

This year, then, let us plant more than ever before; it is better to have too many flowers than to have too few, for

"A bright bouquet,  
On a rainy day,  
Will clouds drive away  
And make sun," they say.

# A WOMAN FLORIST

## 3 Hardy Roses 25¢

On their own roots  
ALL WILL BLOOM THIS SUMMER  
Sent to any address postpaid;  
guaranteed to reach you in good growing condition.

GEM ROSE COLLECTION  
Crimson Queen, rich velvety crimson.  
Alexander Hill Gray, pure yellow.  
Columbia, glowing pink.

### SPECIAL BARGAINS

- 3 Carnations, the "Divine Flower," all colors, 25c
- 3 Choice Ferns -- 25c
- 3 Chrysanthemums, 25c
- 4 Beautiful Coleus, 25c
- 3 Flowering Canna, 25c
- 2 Choice Dahlias - - - - 25c
- 2 Choice Hardy Iris - - - - 25c
- 5 Lovely Gladioli - - - - 25c
- 5 Superb Pansy Plants - - - 25c
- 8 Pkts. Flower Seeds, all different, 25c
- Any 5 Collections for \$1. The Entire 11 Collections for \$2. Postpaid.

Once a customer, always one. Catalog Free.  
MISS ELLA V. BAINES, Box 373 SPRINGFIELD, OHIO



## Send No Money

For many years people have been coming to me from every part of Chicago on account of my wide reputation for supplying glasses that fit. I am now offering the benefit of this wide experience to people everywhere. No matter where you live, I positively guarantee to give you a perfect fit or there will be no charge whatever. I promise to send you a pair of glasses that will enable you to see perfectly and satisfy you in every way, or you will owe me nothing. They will protect your eyes, preventing eye strain and headache. They will enable you to read the smallest print, thread the finest needle, see far or near.

## I Will Help Your Eyes Absolutely Free

I will not accept a single penny of your money until you are satisfied and tell me so. Simply fill in and mail the coupon below giving me the simple, easy information I ask for and I will send you a pair of my Extra Large Tortoise Shell Spectacles, for you to wear, examine and inspect, for ten days, in your own home. The glasses I send are not to be compared with any you have ever seen advertised. They are equal to spectacles being sold at retail at from \$12.00 to \$15.00 a pair. You will find them so scientifically ground as to enable you to see far or near, do the finest kind of work or read the very smallest print. These Extra Large Size Lenses, with Tortoise Shell Rims, are very becoming and your friends are sure to compliment you on your improved appearance. There are no "ifs" or "ands" about my liberal offer. I trust you absolutely. You are the sole judge. If they do not give you more real satisfaction than any glasses you have ever worn, you are not out a single penny. I ask you, could any offer be fairer?

## Special This Month

If you send your order at once I will make you a present of a handsome Velveteen Lined, Spring Back, Pocket Book Spectacle Case which you will be proud to own. Sign and mail the coupon NOW.

Dr. Ritholz, D. R. 1001, Madison and Laflin Sts., Sta. C. Chicago, Ill.

Doctor of Optics, Member American Optical Association, Graduate Illinois College of Ophthalmology and Otology, Famous Eye Strain Specialist.

## Accept This Free Offer Today

Dr. Ritholz, D. R. 1001, Madison & Laflin Streets, Station C. Chicago, Illinois. You may send me by prepaid parcel post a pair of your Extra Large Tortoise Shell Gold filled Spectacles. I will wear them 10 days and if convinced that they are equal to any glasses selling at \$15.00, I will send you \$4.49. Otherwise, I will return them and there will be no charge. How old are you?.....

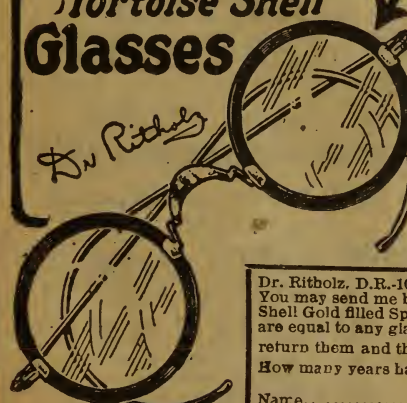
How many years have you used glasses (if any)?.....

Name.....Post Office.....

R. R. .... Box No. .... State.....



Let Me Send You  
**FREE** on trial a Pair  
of Handsome  
Tortoise Shell  
Glasses



Dr. Ritholz

Dear Floral Friends: Do not use Castor Oil, or any kind of dish-water to water your plants. How would you like to drink such stuff? Use rich earth and pure water warmed slightly in Winter, and you will not be bothered with flies in the soil and your plants will grow luxuriantly. I have found this out by experience, but I will own up to the fact that I have given my plants tea and coffee, bits of raw meat, and other

foolish things, only to find that they do not care for such a menu, and, to my sorrow, drooped and died. Ima, Ohio.

I am most successful in setting out Roses, flowering shrubs and perennial plants in the Fall. If they are well watered when set out, they start growing earlier in the Spring, and are more likely to bloom the first Summer.

Mrs. R. A. McCoy, Minnesota.



## BIG MONEY IN GROWING GLADIOLUS

Don't wait. Buy your bulbs now for Spring planting. Grow your flowers for roadside trade. Demand is greater than the supply. Larger profits in this wonderful flower than anything yet grown. Write to me for information, and I will help you. Special introductory offer:

### 1000 Healthy, Strong, Blooming Size Bulbs for \$20.

200 bulbs each, labeled, true to name, of five of the best standard commercial varieties, red, yellow, white, pink and lavender. These bulbs will give you a fine start in the business.

Robert R. Walker, Dept. A. Mansfield, Mass.

## ASPARAGUS ROOTS

Strong 2 year old freshly dug roots—your choice Palmetto or Columbia Mammoth.

### 100 Roots Postpaid \$1.25

Only 25,000 to offer at this low price. Rush order now for early Spring delivery.

JERSEY SEED FARMS, 157 Water St., New York.

### "THE GLORY OF PUGET SOUND" STRAIN

of

IRIS, GLADIOLUS AND DELPHINIUMS

over 200 varieties

Owing to our ideal climate, and our rich, virgin soil these flowers thrive marvelously here, and are free from diseases and pests. Send for our special Iris or Gladiolus catalogue. THE PUDOR FLORAL FARMS, O. M. PUDOR, Iris Specialist, Puyallup, Wash.

## DAHLIAS

Selected Field Grown Roots

—10 For \$1.00—

Our mixture consists of some of the best, and rarest varieties, Cactus, Penny Flowered, Decorative, Show, Collarette, Bompons, etc., etc. All are good quality flower producing roots, and even at this low price we prepay postage.

Jersey Seed Farms, 157 Water St. New York.

## WONDERFUL NEW RUFFLED GLADIOLI

New and far superior. Beautiful 56 page catalog free. Shows 19 varieties in color. Finest and most useful Gladioli catalog ever published. Write today.

## A. E. KUNDERD

The originator of The Ruffled Gladioli

Box 59, GOSHEN, INDIANA, U. S. A.

## Fenton's Hybridized Dahlia Seed.

The Worlds Best. Grown on the only Dahlia Farm in the World that makes a speciality of Hybridized Dahlia Seed.

100 Seed Hybridized, with Black Pearl \$3.00. What do you get for your \$3.00? 50 to 100 beautiful Dahlias no two alike. If your garden is small we will sell you a half pkg for \$1.50. Fenton's Dahlia Farm, 771 Buena Vista Ave., San Francisco, Calif.

## 12 Gladioli Bulbs for 75c postpaid BUY THE NEWER TYPES DIRECT FROM THE GROWERS.

12 bulbs in 12 different colors; Blue, orange, salmon, purple, carmine, pure white, yellow, rose, pink, lilac, crimson, maroon. One of each for 70c postpaid.

2 orders for \$1.20; 3 orders \$1.55; 10 bulbs of each color, 120 bulbs for only \$4.00 postpaid.

Full planting instructions with each parcel

P. OS & SON, Dept. B, GRAND RAPIDS, MICH.

Gladioli Growers.

## YOUR DOLLAR BRINGS BIG VALUE HERE

100 White Plume Celery Plants,	\$1.00
12 Exhibition Aster Plant	.35
100 Exhibition Aster Plants	1.65
20 Hardy Plants, 10 kinds,	1.00
(50 at hundred rates, 6 at dozen rate)	
Everything Prepaid to your door.	

Paul L. Ward, Plantsman, Hillsdale, Mich.

## Scott's Gladiolus

White Giant, the finest pure white variety grown; long, strong spikes, well filled with handsome, large, pure white lily-like blooms. Very early. Write for prices per 100.

GROVER C. SCOTT, Lapark, Pa.

## CACTUS

Choice of 25 New and Interesting Varieties including Niggerhead, Intertextus Eng, Wislizenii, Uncinatus Gal., Chloranthus, Conoides, M. Radiosa, etc. Our Special Collection Mixed Varieties. Good sized plants.

10 For \$1.00, Postage Paid.

GROVER C. SCOTT, LAPARK, PA.

## EVERBLOOMING TUBEROSE BULBS

6 for 50c; 15 for \$1.00; \$6.50 per 100;

Postpaid

## GROVER C. SCOTT LAPARK, PA.

IF YOU WANT THE FINEST

## DAHLIAS

the Giants—true to name—we have them.

Send for our catalogue.

## SOMERHOUSEN DAHLIA GARDENS

Chestnut Hill,

Philadelphia Pa



# TYDAEA; WHAT IT IS

I received a new kind of bulb through the exchange named Tydaea, and as I have been unable to locate it in any of the recent bulb catalogues, I would like to tell about it.



The Tydaea gives a white, grub-like tuber larger than the Achimenes tuber and multiplies much the same way. Mine is a purple, with white throat, and has Gloxinia-like flowers. The leaves are shaped like those of the Achimenes or Fuchsia.

They cannot stand the hot sunshine, but do well out-of-doors on the north side of the house, in a protected place. The Tydaea dies down in the late Fall and the bulbs should be stored in a frost-proof place until early Spring, then re-potted in rich, mellow soil.

If some bulbs are started in February and a few more each month until May, one can have blooms until late in the Fall.

One of my friends told me that this bulb is very old; it used to be cultivated, but is gradually becoming extinct, so while it is new to me, it may be old to some of you.

Mrs. Norman Stoner, Indiana.

Mother used to grow Snapdragons, pot some and bring in the house to bloom in winter, and were so very pretty. I have done the same, and Petunia you may do the same with. I just love them both, for the yard, or as pot plants they do well.

Indiana Rose.

## SEEDS, BULBS, PLANTS

**Gladioli.** Plant "Pride of the Garden". Gardens not complete without them. Write for prices on dozens, hundreds or thousands. J. H. Miller, Wayneboro, Pa.

**Dahlias.** 15 kinds, \$ 10. Chrysanthemums, 20, \$1.00. Gladioli, 25, \$1.00. Geraniums, Iris, Cannas, 3 for 25c. Your choice Mrs. J. C. Simmons, R5, Box 112, Roanoke Va.

**Dahlias.** 120 varieties. Eight different good sorts, labelled, \$1.00 Postpaid, Dahlia Farm, New Albany, Ind.

# CLASSIFIED ADVERTISING

Advertisements Under This Heading 20c a Word

## HELP WANTED

**\$1,080 made by Wingo in six weeks selling Never Fail Razor Sharpeners.** Purdy made \$40.50 first day. Other inexperienced men cleaning up big money. Applewhite La., six orders in thirty minutes. Hurry—investigate—exclusive territory. Write—today. Never Fail Co., 137 Allen Bldg., Toledo, O.

**Shoes** Let us start you without a cent of capital in our **DIRECT-TO-CONSUMER-AGENCY** taking orders for the best shoes money can buy. Catalogs with your name on front cover sent to your customers. Big money-making opportunity. Whole or part time. No experience necessary. For particulars address **Tanners Shoe Mfg Co., 116 South Street, Boston, Mass.**

**Agents—NEW INVENTION. HARPER'S TEN-USE** brush set and fibre broom. It sweeps, washes and dries upstairs windows, scrubs and mops floors and does 5 other things. Big profits; easy seller. Free trial offer. **Harper Brush Works, Dept. 11, Fairfield, Iowa.**

**Big Profits, Quick, Easy Seller. Klean-Rite.** Washes clothes without rubbing. Sample Free. **Bestever Products Co., 1942—C, Irving Park, Chicago.**

**All men, women, boys, girls, over 17, willing to accept Government positions, \$135.** Write **Mr. Oment, 366, St. Louis.**

**Be a Detective: Excellent opportunity; good pay, travel.** Write **O. T. Ludwig, 1413 Westover Bldg., Kansas City, Mo.**

## MISCELLANEOUS

**Highest sums paid for gold, silver, platinum, diamonds, false teeth.** Satisfaction guaranteed. Send old broken jewelry, silverware, etc., registered. **Old Meltpot, Burton Bowen, Propr., 383 Washington St., 7-B Buffalo, N. Y.**

**Missing and lost people located anywhere; full information free.** **American Investigating Service, Department 11, Bandon, Oregon.**

**Detective and Finger Print Experts opportunities everywhere. Particulars free.** **Wagner, 186 East 79th, New York.**

**Tobacco or Snuff habit conquered or no pay. Remedy sent on trial. \$1.00 if cured.** **Fore Chemical Co., Oxford Fla.**

## OLD MONEY WANTED

**\$2 to \$500 Each paid for hundreds of Old or Odd Coins.** Keep all old money. Send **TEN cents** for Illustrated Coin Value Book, 4x6. You may have valuable coins. Get posted. We pay Cash. **Clark Coin Company, Ave 49, LeRoy, N. Y.**

## PATENTS

**Patents—Send for free book.** Contains valuable information for inventors. Send sketch of your invention for Free Opinion of its patentable nature. Prompt Service. (Twenty years experience). **Talbert & Talbert 418 Talbert Bldg., Washington, D. C.**

## SHORT STORIES WANTED

**Stories, Poems, Plays etc. are wanted for publication.** Submit Manuscript or write **Literary Bureau, 519 Hannibal, Mo.**

**Earn \$25 weekly, spare time, writing for newspapers magazines.** Experience unnecessary; details Free. **Press Syndicate, 621, St. Louis, Mo.**

**"Papa's Waiting By The Gates Ajar".** Song by **Floral Friend, 50c.** **Phoenix Music House, Box 795 R2, Santa Cruz, Calif.**

**Song Writers—Have you poems or melodies? I have wonderful proposition.** **Ray Hibbeler, D175, 4040 Dickens Av., Chicago.**

## SEEDS, BULBS, PLANTS

**Flower Plants:** Three White Shasta Daisies 30c. three Chrysanthemums, 35c; postpaid. **Lilyland Farms, Starkville, Miss.**

**Iris—Phlox—4 varieties either, 50c.** **Congdon, Fort Collins, Colorado.**

(Concluded from page 104)  
growth, and starts new trees growing to take the place of the old ones. Surely she gives us a lesson in patience and industry, and proves

## BASEBALL Given SUIT and CAP

Strong, long-wearing, durable suit, with extra stout material in pants with pecket, belt, strap and knee elastic. League shape cap. Complete outfit, cap, shirt and pants, given for selling 40 cards of easy selling dress snap fasteners at 10c. a card.



## Fielder's Glove Given

Made of strong, heavy leather, well padded. For selling 20 cards of dress snap fasteners at 10c. a card. Send for big Premium List.

SECCO SALES CO., Dept. P2, SALEM, MASS.



that making our world more beautiful is worth while.

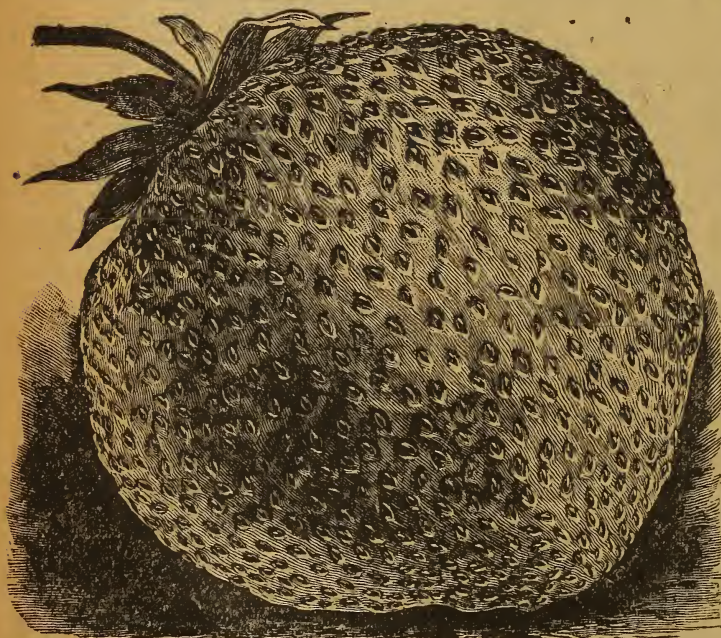
Philadelphus coronarius foliis aureis (Golden Syringa) is lovely grouped with the Spireas, and requires little or no pruning. It is one of the best of the golden foliage shrubs.

The old, sweet-scented Philadelphus coronarius (Sweet Syringa, or Mock Orange), which blooms with the Roses, should have a place near every home, if only for the wonderful fragrance of its flowers. It needs plenty of room, and will attain a height of ten feet or more. The late Victor Lemoine of Nancy, France, accomplished wonders producing new varieties of Philadelphus through hybridization Highland Park, in Rochester, N. Y., and the Arnold Arboretum, in Boston, have fine collections of these shrubs, only second in importance to the Lilacs. In Lilac time excursions are run from distant points to accommodate

## 25 Strawberry Plants and a Year's Subscription 30 cts

### Beiler's Big Valley Berry

#### The Largest, Sweetest Most Delicious Strawberry



Last spring we announced in the Magazine we had 10,000 plants of this grand, new berry to distribute among our friends as an opportunity to try it. Actually Mr. Beiler was finally not able to let us have so many we had applications for considerably more. But we contracted with him then and there to take all he could grow, and we now have 140,000 plants in fine condition for mailing this spring. Spring is the only real season to plant Strawberries. If set out in the Autumn they are apt to be neglected and allowed to dry out.

This is truly a grand variety, a strong, vigorous plant, loaded with the largest, sweetest fruit. Mr. Beiler formerly grew quite a number of different sorts, selling his plants largely to those who would call and taste the berries—his business was both berries and plants. But as everyone wanted Big Valley he now grows it exclusively and says he often has berries 64 inches around. Last season was one of the driest ever known here and

here were practically no strawberries. On account of its deep growing roots Big Valley was loaded almost as heavily as usual. Color is bright crimson. Set plants 15 to 18 inches apart in rows 3 to 3½ feet apart. Cultivate often. After four or five weeks begin working in well rotted manure a foot wide on each side of row—plenty of it—this means success.

## 100 Plants and 4 Subscriptions \$1.00

Please get 3 friends to join you and we will send you the hundred Plants, tied in separate bundles of 25, postpaid, and the Magazine will be mailed to each of you for a full year—new or renewal, and you save 20 cents. Of course we would like the 3 friends to be new subscribers.

Some folks asked us if they might not subscribe for more than a year and get more plants. For the benefit of anyone who wants more plants we offer 100 plants, postpaid, and a five year subscription for \$1. But we would rather have the club of four, so as to add new subscribers to our list.

PARKS FLORAL MAGAZINE,

Lapark, Pa.



thousands of people who wish to visit the Park and the Arboretum.

Of course, the old Lilac has associations a little finer and more intimate than any of the other shrubs, unless it is the Snowball that kept it company in the dooryards of 1650 or even earlier. When emigration started westward, the Lilac went, too, and became as much a part of the frontier as the settlers. The new hybrid varieties have prolonged the Lilac's season of bloom; the colors range from white, cream, light blue and lavender to dark blue, purple and maroon. Many are prolific bloomers, and very hardy.

One little old-time shrub which should not be forgotten is the Snowberry. Its tiny pink bells early in July do not attract much attention, but by the middle of August the bush is fairly covered with little white balls of different sizes, like bunches of marbles fastened together and set along the branches. The berries will remain till November storms destroy them. Rosa rugosa, with its bright red seed-pods, makes an attractive companion for the Snowberries Symphoricarpos racemosus.

Few of us show much individuality in the architecture of our houses because few of us build our own house. But it is always possible to give character to our homes if we have a few feet of land where we can plant things and make them grow. If we haven't the land there is still the window box to turn to for expression and joy.

### TRAPA BICORNIS

An interesting legend is that of the "Sacred Lily of Indo-China", a Lily very little known or even heard of in this country.

"Many centuries ago the people of India and of China worshipped the White Ox. They held it in great reverence, and when it came along the road or the street the populace flung themselves on their faces before it and worshipped it as their God.

"Designing persons stole the Ox and placed it on board of a ship and carried it out in the



lake. A very severe storm wrecked the ship and the Sacred Ox was lost. The natives grieved several years, but found in this lake a beautiful Lily, the seed of which is shaped like the head and horns of the lost Sacred Ox, and they worshipped the Lily, believing that the Sacred Ox had returned to them in the form of the Lily."

This Lily, Trapa bicornis, blooms six weeks after it is planted and stays in blossom for eleven months. At the Chicago World's Fair it took the prize for being the longest blooming flower in the world. It is said that after having been in the water a few days, a very lovely odor will come from the sprouting seeds, which is a delicate perfume of oriental fragrance.

## To Make Rich Red Blood

**Revitalize your worn-out exhausted nerves and increase your strength and endurance**

take Organic Iron; not metallic iron which people usually take, but pure organic iron—Nuxated Iron—which is like the iron in your blood and like the iron in spinach, lentils and apples. One dose of Nuxated Iron is estimated to be approximately equivalent (in organic iron content) to eating one-half quart of spinach, one quart of green vegetables or half a dozen apples. It is like taking extract of beef instead of eating pounds of meat. Nuxated iron is partially predigested and ready for almost immediate absorption and assimilation by the blood, while metallic iron is iron just as it comes from the action of strong acids on small pieces of iron filings.

Over 4,000,000 people annually are using Nuxated Iron. It will not injure the teeth nor disturb the stomach. A few doses will often commence to enrich your blood. Your money will be refunded by the manufacturers if you do not obtain satisfactory results.

Beware of substitutes. Always insist on having genuine organic iron—Nuxated Iron. Look for the letters N. I. on every tablet. Sold by all druggists.

**NUXATED IRON**  
for Red Blood, Strength and Endurance

## CATARRH TREATED FREE



**10 days to prove quick relief.** Dr. Coffee had catarrh, deafness, head noises. Two surgical operations failed. He found a treatment that gave complete relief. Thousands used it successfully. Want you to try it free. Write

DR. W. O. COFFEE, Dept. 119 Davenport, Iowa

**RAISE YOUR FLOWERS FOR BIG PROFITS**

Our big Free Flower Circular tells you how beginners make \$100 to \$500, spare time in one summer raising flowers on a very small patch of ground, back-yard. Learn this easy and delightful business.

Send your name and get Big Flower Circular Free by return mail. American Horticulture Co. Department 205, Des Moines, Iowa

**FREE**

1. GOLD 11

GUARANTEED 5 YEARS

All this jewelry is yours for selling only 5 Boxes Menho Nova Salve at 25 cts. Wonderful for catarrh, cuts, burns, etc. Order today. When sold return \$1.50 and all 5 Pieces are yours.

U. S. SUPPLY COMPANY, Dept B 20 Greenville, Pa.

## Kill The Hair Root

My method is the only way to prevent the hair from growing again. Easy, painless, harmless. No scars. Booklet free. Write today enclosing 3 stamps. We teach beauty culture. D. J. Mahler, 45 X, Mahler Park, Providence, R. I.



## Free for Testing

A pair of mated Everbearing Strawberry Plants FREE if you will report your success with them. Will bear loads of big red strawberries from June to November of same year plants are set. We have been breeding Everbearing strawberries for the past 12 years and have counted 430 berries, blossoms and buds on a single plant in September. A postal will bring the plants and 5 kernels of Burbank's new Golden Pop Corn. Also our colored catalogue of "Blizzard Belt" Products with seed for a Silk Leaf Poppy Garden thrown in for good measure. Send 10 cents for mailing expense or not as you please. Write today and get acquainted with our Hardy "Blizzard Belt" Seeds, Trees and Plants. THE GARDNER NURSERY CO., Nurscrymen and Seedsmen, Box 510, Osage, Iowa. Five Dozen genuine Progressive Everbearing Strawberry plants mailed at proper planting time for \$1.00 if ordered now direct from this advertisement.

## HEARTS EASE

I was roaming around in my garden one day,  
To find what had bloomed while I was away;  
And I picked quite a bunch of this pretty Heart's  
Ease,

Or None-so-pretty's, just whichever you please.  
Oh! "What's in a name?" said Shakespeare of  
yore,

But this little flower has four names or more.  
Up in Maine they are called Johnny-go-to-bed,  
And they're Pansy-Violas, so some florists have  
said.

But the oddest name I think I've heard yet  
Is the old English one Run-away-Margaret.

Aquilegia, R. I.

--and this is the way to



"Use Sloan's"

for Pains  
and Aches

Take a piece of absorbent cotton, soft cloth or sponge, soak it with Sloan's Liniment and apply to the aching spot, thoroughly saturating the skin. It *penetrates without rubbing* and the more freely you use it, the quicker the results.

Forty years ago, Dr. Sloan perfected his liniment for the purpose of relieving pain, and its constantly increasing sales are proof of the reliability of Sloan's Liniment as pain's enemy.

Sloan's is the largest selling liniment today and is sold practically all over the civilized globe. It counts its friends by the hundreds of thousands. Ask your neighbor.

As a counter-irritant it brings a fresh supply of blood and frees the aching parts

from congestion, producing a sense of warmth and comforting relief from pain.

It is certainly effective as applied externally for rheumatism, neuralgia, sciatica, lame back, lumbago, sore or overworked muscles, sprains and strains, stiff neck and the pains that come from weather exposure.

You take no chances in buying a bottle of Sloan's Liniment today in case of a sudden attack. Sold by dealers who know and can trust, 35c., 70c., \$1.40.

Keep it handy

**Sloan's**  
Liniment 



## QUESTIONS AND ANSWERS

Q. What must I do to my Fuchsia to make it bloom? It has not bloomed for three years.—Mrs. Geo. T., Iowa.

A. Let your Fuchsia become root-bound, and stir some bonemeal into the surface soil. If you cannot get the bonemeal, apply fresh slacked lime, also give the plants plenty of direct sunlight. This treatment will generally promote the development of buds and flowers.—EDITOR.

Q. What can I do to keep the buds from falling from Christmas Cactus?—Mrs. W. F. Gilliland, New York.

A. When a Christmas Cactus becomes root-bound care must be taken not to over water. This causes the buds to drop off and will eventually cause your plant to die. Keep your plant rather dry.—EDITOR.

Q. Please tell me how to make and root cuttings from an ever-blooming Cape Jessamine.—Mrs. T. M. McGee, Ark.

A. Cape Jessamine is easily propagated from slips of the half-ripened or mature wood, or a better plan is to take cuttings from the heel of the old wood. Place these in a box of sand in a warm, partly shaded window. Keep shaded and warm and well watered until the roots form.—EDITOR.

Q. What should I do with Geraniums that get black on top of the stalk and seem to dry or decay?—Mrs. J. Gruber, Okla.

A. Stir lime and sulphur into the surface soil and dust the leaves with a mixture of the powder, using a dust-bag so that the material will be evenly distributed. Water moderately and see that the soil is porous and well-drained. Grow in a sunny window.—EDITOR.

Q. What is the proper treatment for Rex Begonias? Should they be sprayed? Are they subject to Red Spider?—Virginia.

A. Rex Begonias require a warm, moist atmosphere and partial shade to thrive well and especially do they require light, porous soil. Grow them in sandy wood's earth or leaf-mold well drained. The failures with Rex Begonias are generally due to a dry, hot atmosphere and when grown under these conditions the plants are liable to an attack of red spider. If grown where shaded, warm and moist, these insects will not be found. If these latter conditions cannot be met, it is better not to attempt the growing of Rex Begonias, as the appearance of the plants will only be a disappointment.—ED.

## AGENTS: \$6 PER DAY AND UP

Selling concentrated, non-alcoholic food flavors. Always fresh. Put up in collapsible tubes. Ten times the strength of bottled flavors. Guaranteed under U. S. pure food laws. All flavors. Sells in every home. Used every day. Not sold in stores. Big demand. Big repeater. 100% profit.

**Men or Women**  
can make big money. Has sold over \$300 in one month. You will find this a big, easy sell and a sure repeater. Must satisfy customers or money back. Write for territory and sample outfit. Get a big line of customers. Get repeat orders every month and have a steady income. Write quick.

American Products Co.  
6599 American Bldg., Cincinnati, O.



ACT  
QUICK  
WRITE  
TO-DAY

## Factory Sale

AIR  
TIGHT



HEAVY SOLID COPPER

4 GAL.	4.95
6 GAL.	6.50
8 GAL.	7.75
10 GAL.	8.90
15 GAL.	10.50
25 GAL.	17.50

## COPPER KETTLES

All made of 16, 18, 20 and 22 gauge best cold-rolled heavy solid copper. Non-explosive. All solder outside. 5 inch air-tight screw cap. Absolutely guaranteed to be the best and strongest kettle made.

Packed in strong, plain boxes. Above are lowest factory cash prices. Send money order or draft with order.

Catalogue of other goods at cut prices FREE, upon request. Price of copper going up. Order now before prices advance. Order at once.

**THE HOME MANUFACTURING CO.,**

Dept. K92 2650 No. Halstead St., Chicago.

Reference: Cosmopolitan Bank, Chicago, Ill.

## Ford Auto

Join this great Auto Club and win Grand Prizes including Ford Sedan, complete with electric starter and sliding plate glass windows. The ideal car for all-year use.

Can you make out the two words spelled by the numbers in the picture? The alphabet is numbered, A is 1, B is 2, etc. What are the two words? 10,000 Sedan votes given for your answer. Many other valuable prizes and hundreds of dollars in cash given. Everybody wins! So easy you will be surprised.

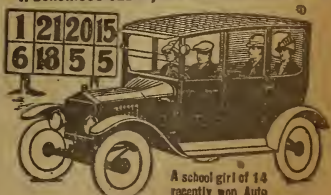
**Send Your Answer Today.** We have already given away many Autos. Somebody gets this new Sedan free—freight and tax paid. It can be yours! Send answer today, and you can share in the prizes.

FORD WILLSON, Mgr. 141 W. Ohio St. Dept. 3140, Chicago, Ill.

## Given Away

A LUXURIOUS SEDAN, IDEAL ALL-YEAR CAR

1 2 10 15  
6 18 5 5



A school girl of 14 recently won Auto



# STATELY GLADIOLUS

## The Most Beautiful of All Late Summer Flowers

Gladiolus are among the most popular late Summer blooming bulbs easily grown, adaptable to almost any soil, free from disease and pests very attractive while growing and blooming and last a long time as cut-flowers.

The superb collection offered by us this season furnishes a wide range of colors and varieties and is bound to be a source of great delight to all growers.

Our quantity price is so low that it enables you to plant large numbers of this most popular bulb. All sent postpaid at prices given, excepting by hundreds, which are sent by express, receiver to pay express charges.

### Choice Named Varieties

Gladiolus are constantly growing more popular and the fact that their importation from foreign countries is prohibited, has resulted in American growers producing many very fine improvements, and this season the variety, both as to name and color, is greater and better than ever.

Our bulbs are firsts, largest, finest blooming size. Cultural directions sent with every order.

**America.** One of the choicest bedding and cutting Gladiolus. A beautiful, soft, lavender-pink, Orchid-like in color and texture.  
5c each; 50c a dozen; \$3.50 per 100, by express.

**Augusta.** Pure white with blue anthers. Very fine,  
5c each; 50c a dozen; \$3.50 per 100, by express.

**Attraction.** Deep, rich crimson, with white center. A beautiful flower.  
5c each; 50c a dozen; \$3.50 per 100, by express.

**Baron J. Hulot, or Blue King.** Royal, violet blue; a really blue Gladiolus and one of the most lovely and satisfactory.  
7c each; 75c a dozen; \$5.00 per 100, by express.

**Brenchleyensis.** Vermilion-scarlet. The best of that color for massing.  
5c each; 35c a dozen; \$2.25 per 100, by express.

**Chicago White.** Flowers are pure white with faint lavender streaks in the lower petals; very large flowers. The best white for early blooming in open ground.  
7c each; 75c a dozen; \$5.00 per 100, by express.

**Columbia.** Light, orange-scarlet, splashed with bluish purple.  
5c each; 50c a dozen; \$3.50 per 100 by express.

**Europe.** The best pure, snowy white, without an exception, with finest spike of bloom and largest individual flowers. Scarce and in great demand on account of its quality.  
15c each; 4 for 50c.

**Halley.** Early, pure salmon-pink. A popular and very fine bedder  
5c each; 50c a dozen; \$3.50 per 100 by express.

**Isaac Buchanan.** Handsome, pure yellow. A great yellow novelty; prized on account of its wonderful shape and appearance.  
15c each; 4 for 50c.

**Klondyke.** Clear yellow, with crimson-maroon blotches in the throat,  
5c each; 50c per dozen; \$3.50 per 100, by express.

**Mrs. Frances King.** A wonderful light scarlet or fire color.  
5c each; 50c a dozen; \$3.50 per 100, by express.

**Mary Blackman.** Flowers a beautiful shade of salmon-red; the lower petals finely pencilled and feathered at the base with carmine on a rich, golden yellow. Lasts a long time when cut.  
10c each; \$1.00 per dozen; \$7.50 per 100, by express.

**Mrs. Frank Pendleton.** Salmon-pink with brilliant deep red blotches in the throat. The flowers are very large, borne on long, strong, straight spikes. Rivals many of the finest Orchids and is considered one of the choicest Gladiolus.  
10c. each; \$1.00 per dozen; \$7.50 per 100, by express.

**GLADIOLUS**  
**Peace.** Immense, pure white flowers, with a gentle touch of carmine in the lower petals; borne on tall, graceful spikes. A very lovely and chaste flower.  
10c each; \$1.00 per dozen; \$7.00 per 100, by express.

**Panama.** Similar to America, and has all its good qualities, but is a rich rose-pink. One of the very finest.  
10c each; \$1.00 per dozen; \$7.00 per 100, by express.

**Schwaben.** Clear canary yellow, with a small blotch of deep garnet in the throat. Large, well-expanded flowers, on shiny, erect stalks. One of the choicest.  
10c each; \$1.00 per dozen; \$7.00 per 100, by express.

**Primulinus Hybrids Mixed.** Greatly improved on the originally imported Primulinus, with good size flowers, ranging in color from light yellow to orange, apricot and crimson, borne on long, graceful spikes.  
5c each; 45c per dozen; \$3.00 per 100, by express.

All orders receive prompt attention, are carefully and accurately filled, and safe delivery in first-class condition guaranteed.

**Jensen Seed Farms,**

**150-157 Water Street,**

**New York**



## THE INDIGO BIRD

O, bird of blue, O, bird of fame,  
Perched on a slender stalk of flame,  
I heard his gay song, his merry call,  
As he swayed on a mullein stalk so tall;  
Swinging and tilting, quite at his ease,  
Light as a thistle-down, proud as you please.  
On a bright golden throne, O, bird of blue,  
Would I were as airy, as light as you;  
Singing your loudest, cheeriest note,  
With flashing eye and swelling throat.  
Sweet bird of beauty so loved and dear,  
You teach us a lesson of faith and cheer.

—Lucretia B. Zastre, Massachusetts.

## QUESTIONS AND ANSWERS

Q. My Dahlias grow well and keep well during the Winter, but they have not bloomed for three years. Why is this?—Mrs. Edna Sheffer, Ill.

A. In some sections of the country certain Dahlias are non-blooming, while in other sections they bloom freely. As a rule, they like a deep, rich, sandy soil and a sunny situation. If some lime is well mixed with the soil, or the soil enriched with bonemeal before planting, they should bloom.—EDITOR.

Q. My stocks have had the usual treatment, yet they fail to bloom. What can be the trouble?—J. W. Osborn, Ill.

A. Stocks will not bloom in soil that is charged with acid or contains alkali. In either case, a dressing of lime stirred into the surface soil will be found of benefit. These plants should be grown on rich soil. Stir a little bonemeal into your soil before planting.—EDITOR.

Q. How should I handle bulbs from my Tuberoses after they are dug up?—Jesse O., Ill.

A. They should be dried off and placed in a box between layers of cotton and kept in a warm room during the Winter. The flower germ of the Tuberose is very sensitive and if the bulbs are placed in a damp or cold cellar, even though frost-proof, they are liable to loose their flower germs and not bloom the following year. Bulbs that have bloomed are not likely to bloom again, but the bulblets that cluster around the parent bulb can be removed and planted for future blooming. Bulbs that have not bloomed are likely to bloom the following season.—EDITOR.

Q. My Night-blooming Cereus, which I started about a month ago, is withering. It is in a clay soil, and I do not water until absolutely necessary. Wherein have I made my mistake?—Ruth Parks, Ohio.

A. Potting soil should be half sand and plant should be well watered until growth is well established. See that drainage is good—this is very important with all members of the Cactus family. After repotting keep in shade for four days, after which it may be given full sunlight.—EDITOR.

Q. Will you please tell me how to rid my Fuchsias of little white flies?—Turton, South Dakota.

A. Spray the plants with a lime-sulphur solution, one part solution to twelve parts tobacco tea, adding a little fresh-slacked lime, enough to whiten the material and slightly silver the foliage.—EDITOR.

FAT FOLKS  
GET THINReliable, Home  
Reduction System

Fat persons, particularly those from 10 to 60 pounds above normal weight, will be interested to learn that they might reduce weight and measurements while eating all they need and while really enjoying the becoming slender and healthier. Nothing strenuous or weakening. You want this!

This should be done by using Korein Tablets, and following simple directions.

Even a few days treatment is likely to show a pleasing reduction. The step should become lighter, the flesh firmer, the skin smoother; work seems easier and actually pleasant. More buoyant and ambitious feeling takes possession of the whole body and mind as superfluous fat disappears.

If you have tried various methods of fat reduction without real benefit you may now be very thankful at having found a genuine system. Look and feel younger! Aim to live longer and happier! Enjoy life! It is safe, rational and healthful. In each pkge. there is a money-refund guarantee. Buy a package of Korein Tablets at any busy drug store, or send \$1. (money check or stamps) and receive pkge., plain wrapper, postpaid.

KOREIN Co., NC-406, Station X. New York.



## Birth Control

\$2.00

Cash

Money

order

or

Stamps

Or

sent

C.O.D.

If

desired



Contains Several Striking Illustrations  
The Book You Have Always Wanted. Clearly and Plainly Written

By a Distinguished American Physician  
Send for it today. When the Supply is exhausted you cannot get a copy at any price.

Dept. 28, Human Welfare Society,  
257 West 71st. St., New York.

## REMNANTS 66¢

Beautiful assortment of serges, Tricotines and silks at less than wholesale. Blue, Wine, Gray, etc. Remnants of 4 and 6 yard lengths sufficient to make suit or dress. **MONEY BACK IF NOT SATISFIED.** Save money. Make your own clothes. These remnants will save you up to \$1.60 a yard. WRITE FOR INFORMATION. TEXTILE MILLS, DEPT. 1225, KANSAS CITY, MO.

### QUEEN AMARYLLIS

I wish to speak a word for the lovely Amaryllis. So many condemn it because it does not bloom for them. The culture of the bulb is very simple; in fact, it is the easiest flower for me to raise and to have bloom.

To set them out I use good rich soil, some well-rotted manure, a little bone-meal and about one-quarter sand. I do not set the bulb down very far in the soil, but leave about one-third of the bulb above the ground.

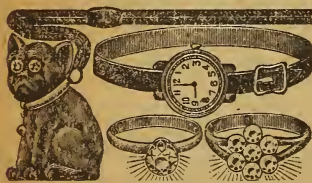
In June I set the jars out on the north side of the house under some tall flowers or vines where not much sun or rain gets through to them, and let them take care of themselves until the first of September. Then I bring them to the house, begin to water, and start them growing for Winter blooming. I do not repot very often. After they start to grow I use

weak chicken manure water to water them with once a week. When it becomes cold I keep them where it is very warm, watering them with warm water, and with this treatment I have flowers all Winter.

I have quite a few different kinds. One from California began blooming the last of January; the flowers are white striped with deep rose, and with a green throat. It is as fragrant as an Easter Lily, with two flowers to a scape. I have another Amaryllis that bloomed at Christmas. It was white veined with red, a Veitchii seedling and very lovely.

My giant Burbank Amaryllis has a bud now, but as it has never bloomed, I cannot say what color the flower will be.

I have one very fine bulb that began blooming in January. It had four large flowers on one scape, and there is another one coming that will bear three or



### ALL THIS FREE

This "Lucky Tiger" CHARM with 36-inch Silk Cord, this im. WRIST WATCH with adjustable leather strap and buckle, this pair of sparkling pierceless EAR RINGS, 3 Gold plated RINGS and this handsome 36-inch Oriental Rice Bead NECKLACE with Tassel Beaded Drop. We give all these 7 articles FREE for selling only 12 Jewelry Novelties at 10 cents each. Send to-day. We trust you and treat you square H. R. MEAD MFG. CO., Providence, R. I.



## AN EIGHT MONTHS TRIAL SUBSCRIPTION FOR ONLY • 50c.

(THIS IS 1-2 THE REGULAR PRICE)  
EACH ISSUE OF

**THE BOYS Magazine** contains from two to four splendid serial stories and from twelve to twenty thrilling short stories, besides special departments devoted to Wireless, Mechanics, Electricity, Popular Science, Athletics, Physical Training, Stamp and Coin Collecting, Outdoor Sports, Amateur Photography, Cartooing, etc. Beautiful big pages with handsome covers in colors. Profusely illustrated throughout. A special feature is the award of liberal cash prizes for the best amateur work in many subjects. There is no reason why your boy should not win some of these prizes. Remember, only 50 cents for eight months. If you are not satisfied we will refund your money promptly and without question. Remit in stamps if more convenient.

— Tear out here —

The Scott L. Redfield Co., 7133 Main St., Smethport, Pa.

I accept your special half-price introductory offer and enclose 50 cents, for which send THE BOYS MAGAZINE for eight months to (Write name and address plainly)

Name \_\_\_\_\_ Street or R. F. D. \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_



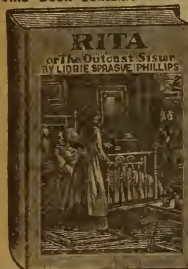
four more blooms. A strange thing about this flower was that the last of the first four buds which came out was partly double. I wonder if any of the readers ever had a double Amaryllis? It had three extra petals which were notched



**AMARYLLIS, GIANT AIGBERTH**  
and fringed, making it look very double. The flowers were deep red, with some white in the throat, and each flower measured from seven to nine inches across. I received it for a Johnsonii. Elva Swisher, Pennsylvania.

## RITA or, the OUTCAST SISTER

By LIBBIE SPRAGUE PHILLIPS  
**SPECIAL SALE PRICE with a six (6) months' subscription to THE ILLUSTRATED COMPANION ONLY 25 CENTS.**  
This Book contains one of this noted author's best novels.



Pressed close against the window pane was a wan, white face.

**COMPANION**; has done so for 16 years. One minister has translated it with sermons for 13 years; other writers have contributed regularly for years. **THE ILLUSTRATED COMPANION** is 43 years old. The years of continued service of its writers show that our magazine is one of fixed and standard worth. We know you will enjoy reading it. **THIS OFFER** of magazine 6 months and book, for 25 cents is made to get new trial subscribers. Address  
**F. B. WARNER CO., Dept. P. F. 96 Chambers St., New York**

The pathos of this story sweeps all before it. It touches the heart of humanity everywhere. Even the man with a heart of stone learns from this story that deep down under the cold, hard strata of stone, he has in his heart a deep well of human sympathy for the erring one; that he has also a heart capable of love and admiration for the good and noble character of Luella, the gentle, loving, self-sacrificing sister. **Righteous indignation** is aroused toward Silas Lockwood, her relentless and unnatural father. The heart's emotions like a great ocean billow, rolls on from the beginning to end of the book; when you lay it down and say blessed is God who rules over all for the good of all. Thousands will want to read this book and pass it on to their friends. Libbie Sprague Phillips writes exclusively for **THE ILLUSTRATED COMPANION**.



**FREE MOVING PICTURE MACHINE**  
Fine moving picture machine with supply of films. Easy to operate, by oil or electricity. Free for selling only 12 boxes of Mentho-Nova Salve, the wonderful Menthol ointment for cuts, burns, catarrh, etc. Sell at 26c a box, return the \$3 and receive this dandy premium. Satisfaction guaranteed. Order now. Hundreds of other premiums and big Cash Commission.  
**U. S. Supply Co., Dept. B 21 Greenville, Pa.**

## Cheapest Way to Go

to work or school and recreation is on a **Ranger bicycle**. Choice of 44 styles and sizes. **30 Days' Free Trial**. Express prepaid. **12 Months to Pay** if desired. Saved time and carfare easily meets the small payments. Parts, equipment - at half usual prices. **Send no money**. Write for our remarkable factory prices and marvelous terms.  
**Mead Cycle Company**  
Dept. G136 Chicago



## HERB RECIPE BOOK 10c

Worth \$3. Teaches how to make medicines from herbs for all diseases. Over 250 recipes and herb secrets.  
**Ind. Herb Gardens, Dept. 44, Hammond, Ind.**

## NEW TYPEWRITERS FOR LESS THAN HALF



Unusual Offer Made by  
**Oliver Typewriter Company**

You can now buy direct from the factory, saving the cost of selling. A brand new Oliver is now sold for half the usual price. It even costs less than a rebuilt typewriter! You'll be amazed at the details of this astounding offer. Get the facts at once by mailing the coupon.

This is the identical Oliver which has won such world-wide fame. Over 950,000 have been sold. Now comes our most liberal offer of all.  
**FREE TRIAL—EASY TERMS**

Learn how to save, learn about our self-selling plan. Mail the coupon at once for complete information, which does not obligate you in the slightest. This is your greatest opportunity to buy a brand new typewriter at a tremendous saving. Send the coupon below.

<b>NOW</b>	<b>The Oliver Typewriter Company,</b> C-70 Oliver Typewriter Building, Chicago.	
	Please send details of your Special Price Reduction Offer.	
	Name.....	State.....
	Street.....	City.....

# PICK THEM OUT

31 Plants, \$2.00: 15 Plants, \$1.00: 7 Plants, 50cts: 3 Plants, 25 cents. Postpaid

## Window Plants

Achyranthus, Besteri Moss-  
slack, Light green and  
dark red variegated fo-  
liage  
Beardii, Broad pointed  
leaf of purple-crimson  
Emersonii, Purple red  
Gibsonii, Pointed green  
leaf with yellow marks  
Lindenii, dark purple,  
narrow pointed leaves  
McNally, Round, broad  
green striped yellow  
Alternanthera, Seiboldii,  
yellow  
Jewell, Rich carmine  
Versicolor, chocolate,  
crimson and green  
Amomum Cardamomum  
Handsome, delicious-  
ly-scented foliage  
plant of easy culture  
Asparagus Sprengeri  
Plumosus Nanus  
Begonia Semperflorens.  
Fuchsoides  
Bryophyllum Calycinum  
Campylobotrys Regia  
Cestrum Parqui  
Coleus, in variety  
Crassula Cordata  
Cyperus Alternifolius  
Daisy, Marguerite, Single  
white  
Eranthemum Pulchellum  
Eupatorium Serrulatum  
Riparium  
Ficus Repens. A lovely  
creeper, attaches to  
and covers walls in  
the South  
Geranium; Zonale  
Buchner, White

Jeau Viaud Pink  
Ricard Bright Red  
S. A. Nutt Dark Red  
Geranium, Scented-leaf'd  
Habenaria Elegans  
Impatiens, in variety  
Ivy, Irish or Parlor.  
Note, Grows in deep shade  
and is a good vine to  
festoon a room, or to  
cover a wall that is al-  
ways hidden from the  
sun. Of rapid growth.  
Jasmine Beeslanum  
Revolutum  
Justicia Sanguinea  
Lantana, in variety  
Libonia Penrhosiensis  
Moon Vine, Blue  
Muehlenbeckia Repens.  
Note. Exquisite little vine  
for a pot trellis, easily  
grown and exceeding-  
ly graceful. Also fine  
for bracket-pot, or  
basket  
Pilea, Artillery Plant  
Sansevieria Zeylanica  
Saxifraga Sarmentosa  
Solanum Grandiflorum  
Strobilanthes Anisophylus  
Dyerianus, Metallic red  
Tradescantia, Multicolor  
Green and white  
Vinca  
Variegata

## Hardy Plants

Egopodium Podagaria.  
Note. Fine, dwarf edging  
plant, perfectly hardy  
with graceful, dense  
foliage, light green

with a distinct white  
border. Easily grown  
Artemisia, Oldman  
Aster Hardy, Pink  
Blue  
Bupthalamum Cordifolium  
Chrysanthemum Mixed  
Fragaria Indica  
Funkia, Fortunii  
Gypsophila Paniculata  
Hibiscus, Crimson Eye  
Note. This bears immense  
showy flowers in huge  
clusters. Grows 6 to 8  
feet high, blooms free-  
ly in autumn.  
Hemerocallis  
Aurantica Major  
Flava  
Iris Liberty Mixed  
Pseuda Acorus  
Lilium Maculatum pink  
Linaria Delmatica  
Linum Perene, Mixed  
Matricaria Capensis  
Monarda Didyma  
Oenothera, Lamarckiana  
Youngii  
Peas, Perennial Mixed  
Pinks, hardy Mixed  
White  
Pokeberry, Phytolacca  
Polygonum cuspidatum  
Poppy, Royal scarlet  
Primula officinalis, yellow  
Rhubarb  
Rudbeckia Newmanii  
Rudbeckia Purpurea  
Sage, Broad-leaved  
Shasta Daisy  
Alaska White  
Star of Bethlehem  
Sweet Rocket, Tall, White

Tall, Purple  
Sweet William  
Mixed  
Tansy  
Tradescantia Virginica  
Tricyrtis Hirta, Toad Lily  
Veronica Spicata Blue  
**Shrubs and Trees**  
Amorpha Fruticosa  
Bignonia Radicans  
Boxwood  
Deutzia, Lemoinei  
Euonymus Americana  
Variegated  
Forsythia Viridissima  
Glycine Frutes, Wisteria  
Hydrangea  
Arborescens Grandiflora  
Note: This is the splen-  
did Shrub advertised  
as Hills of Snow, the  
heads are globular and  
of large size.  
Hydrangea Paniculata  
Ivy, English, Green  
Abbotsford variegated  
Lilac, white, also purple  
Mock Orange Sweet Scen-  
ted  
Prickly Berry, evergreen  
Rose, Crimson Rambler  
Lady Gay  
Double White Snow Drop  
Hiawatha  
Snowball, Old Fashioned  
Spirea,  
Callosa alba  
VanHouttei  
Reevesii, double white  
Stiphonandra Flexuosa  
Willow, For Baskets  
Weeping  
Yucca Filamentosa

I can supply the following plants in larger size  
**Palm Kentia Balmareaa**, 50c each, 3 for \$1, Postpaid.  
**Peppermint Scented Geranium**, 25c ea; 5 for \$1. Postpaid  
**Fern, Boston**, 35c each; 4 for \$1, Postpaid.  
**Fern, Scotti**, 35c each; 4 for \$1, postpaid.



TUBEROSE

## EVERBLOOMING TUBEROSE BULBS

This charming, delightfully  
fragrant, pure white variety  
begins to flower in July and PALM KENTIA BALMAREANA  
continues throughout the season. Each bulb throwing  
from 2 to 5 flower spikes in succession. Plant in the open  
ground 6 inches apart, when the ground becomes warm.

6 for 50c; 15 for \$1.00; \$5.50 per 100 postpaid.

**Bargain in Asparagus Roots  
For 30 Days Only**

**\$1.00 per 100 Postpaid**

**GROVER C. SCOTT**  
LAPARK, PENNA.





## SPRINGTIME

The balm of the early Spring is in the air and the sunshine filters down through the green budding leaves of the road-side trees. The robins have returned to their northern Summer homes, and the grass has spread its velvety green rugs upon the lawn. The air is filled with the sweet scent of the apple blossoms and the happy children are merrily gambling on the green. Oh, the beautiful Springtime, when all Nature is awake and the air is filled with sunshine and the joys of life. The song birds with glee are chirping their sweet music and the whole world seems wrapped in its mantle of new life, happiness and love. The delicate blue Violets and the baby Pansy faces hold up their tiny lips to be kissed by the early morning dews, and in all their beauty bask in the noon-day sun, while at twilight they are lulled to sleep by the gentle evening zephyrs, and, under the great canopy of night, alike with all the world, peacefully rest under the watchful care of the kind and loving One above us. Dull is the mind and hopeless the heart that will not rise at Springtime to a lovelier life.

Rock Hibbard, Iowa.

## EVERBLOOMING, BRANCHING HOLLYHOCKS

The everblooming, branching Hollyhock is a decided innovation as far as this flower is concerned. I had a few plants in bloom last year and all who saw them exclaimed at their beauty. Some of the plants reached a height of ten feet. They began blooming in July and, the season being mild, continued until about December first.

The blossoms were of various colors, shapes and sizes, some were double, some single and of medium size; some single, large and saucer-shaped; while others were semi-double, beautifully fringed and shaded. One of the semi-doubles was a shaded salmon-pink; another, shades of red; and one, which I sometimes thought the most beautiful of all, had small but exquisite blossoms of a lovely pink and pale yellow. The blooming branches not only make a more attractive specimen in the garden, but also make a very pretty cut-flower for the house.

A. E. McL., Massachusetts.

Dear Floral Friends: I wish to impress upon your minds the importance of growing Phlox and Petunias for Summer-flowering plants. They seem never to need water; when all else in the garden is withered, they bloom on in undisturbed tranquility. They are the best drouth-resisting plants we have in the Prairie State, where rain in August is rare.

Poppy, Illinois.

## Stop Whiskey

An Odorless and Tasteless Treatment

Any lady can give it secretly at home in tea, coffee or food, and it costs nothing to try! If you have a husband, son, brother, father or friend who is a victim of whiskey beer or wine, send your name and address to Dr. J. W. Haines Co., 341 Glenn Bldg., Cincinnati, Ohio and they will send you absolutely free, in plain wrapper, a trial package of this wonderful treatment. Write today and be thankful all your life.

## Rheumatism

A Remarkable Home Treatment  
Given by One Who Had It

In the spring of 1893 I was attacked by Muscular and Sub-acute Rheumatism. I suffered as only those who are thus afflicted know, for over three years. I tried remedy after remedy, but such relief as I obtained was only temporary. Finally, I found a treatment that cured me completely, and such a pitiful condition has never returned. I have given it to a number who were terribly afflicted even bedridden, some of them seventy to eighty years old, and results were the same as in my own case.


I want every sufferer from any form of muscular and sub-acute (swelling at the joints) rheumatism, to try the great value of my improved "Home Treatment" for its remarkable healing power. Don't send a cent; simply mail your name and address and I will send it free to try. After you have used it and it has proven itself to be that long-looked-for means of getting rid of such forms of Rheumatism you may send the price of it. One Dollar, but understand, I do not want your money unless you are perfectly satisfied to send it. Isn't that fair? Why suffer any longer, when relief is thus offered you free. Don't delay. Write today.

Mark H. Jackson, 67 H. Durston Bldg.  
Syracuse, N. Y.  
Mr. Jackson is responsible. Above statement true.

## CONSTIPATION EASILY CURED

No need to suffer any longer from constipation and all its ills. No need to take any medicines. A genuine lifelong remedy has been found. Information will be sent free if you write to


**DR. BOOTH & RIKER**  
507 Fifth Av., CA-406, New York, N.Y.



### WHY FEAR CHILD BIRTH

Dr. J. H. Dye, obstetric specialist, discovered a means of lessening suffering of labor and unnecessary pain. Write us about irregularity and sterility: **Illustrated Booklet Free** Sent in plain wrapper. If you wish to give birth to healthy babies, without unnecessary pain, write for it today. Thousands benefited in last 40 years.

Dr. J. H. Dye Medical Institute,  
1111 Lincoln Building, Buffalo, N.Y.



## DROPSY

Treated One Week **FREE**  
Short breathing relieved in a few hours, swelling reduced in a few days, regulates the liver, kidneys, stomach and heart, purifies the blood, strengthens the entire system. Write for Free Trial Treatment.

**COLLUM DROPSY REMEDY CO.,** Dept. B-27 ATLANTA, GA.

**& TUMORS CURED. NO KNIFE OR PAIN.** All work guaranteed. **FREE BOOK.** MINNEAPOLIS, Dr. Williams Sanatorium, MINN.

## CANCER

## ASTHMA

**TREATMENT sent you on Free Trial.** If it cures, send \$1.00; if not, it's **FREE.** Give express office. Write for your treatment today. W. K. Sterling, 821 Ohio Ave., Sidney, Ohio

# STOMACH TROUBLES VANISH LIKE MAGIC

Eat all you want, what you want, when you want to. Get rid of Dyspepsia, Indigestion, Catarrh of the Stomach, Belching, Heart Fluttering, Sour Stomach, Nervousness Constipation, Headache, etc.



Send 10c to help pay cost of mailing and we will send you a genuine \$1 Peptopad **FREE**. No matter how severe or long-standing your case is, no matter what treatments you have tried, order this Peptopad **TODAY**.  
**DR. C. C. YOUNG CO., Dept. 14 JACKSON, MICH.**

## GOITRE Pay When Well

I have an honest, proven remedy for goitre (big neck). It checks the growth at once, reduces the enlargement, stops pain and distress and relieves in a little while. Pay when well. Tellyour friends about this. Write me at once. **DR. ROCK.**  
Dept. Box 37, Milwaukee, Wis.



## CANCER

Treated at home. No Pain, knife plaster or oils Send for free treatise.

A. J. Miller, M. D.

Clayton, Mo

**TILL REVELLE**  
I ask the winds  
To breathe so light  
Around your low  
Green tent tonight;  
I ask the stars  
For kindly beams  
To make more bright  
Your long, long dreams;  
I pray the snows  
Weave softly light  
Their tapestries  
Of white, all white.  
(O Buddy leal  
It seems unfair  
That I am here  
and you are there.)  
Till Reveille  
And morning light:  
Till then, dear friend  
Of mine, good night.

Sea Weed, Ohio.

### Dear Floral Friends:

When some of you tell your woe-begone stories of seed that never come up in spite of all the care you can give, of moles that destroy cherished flower beds, of mice that eat all the highest priced bulbs and pass up the cheap ones, my heart echos your sighs. But I

## BRAND NEW FORD TOURING CAR GIVEN

15	8	25	15	21
8	5	14	18	25

### SOLVE THIS PUZZLE. WIN FINE PRIZE

The figures in the squares represent corresponding letters in the alphabet. Figure 1 is A, 2 is B, 3 is C, and so on. The ten figures spell three words. Send the three words on a slip of paper with your name and address quick if you

want to win. I have given away many Autos and scores of other prizes. My plan is so simple it is easy to win prizes and cash rewards.



### Thousands of Dollars in Other Grand Prizes and Cash Rewards

Besides the New Ford Car I am going to give away Superb Cabinet Phonograph, Bicycles, Gold Watches, Kodaks, Traveling Bag, Chest of Silverware, Dinner Set and **Cash Rewards**. No experience is required. You don't put up a penny or do any hard work. Just an opportunity to realize your ambition to have an Automobile all your own and a chance to get it in the easiest way imaginable. Don't let anyone in your neighborhood beat you to it. The quicker you act, the bigger your winnings. Send me your answer to the ruzzle with your name and address, without delay. **DUANE W. GAYLORD, 537 S. Dearborn St., Dept. 43 CHICAGO, ILL.**



## TWO-YEAR OLD ASPARAGUS ROOTS

35 cts a dozen; \$1.50 per 100; \$6.40 for 500, postpaid;  
1000 Elegant, Great, Big Rooted Plants \$9, by express

Take your choice of varieties, and we will dig them, pack them well, and guarantee safe delivery to any address, postpaid, in lots of 500 or less; 1000 or more going by express, to give you a lower price.

The average family needs 150 plants for the home table.

### ONE-YEAR OLD PLANTS

25 cts a dozen; \$1.35 per 100; \$6 per 500; postpaid;  
1000 by express, for \$8.25

Whether you plant one or two-year old plants is very largely a matter of individual choice, as some expert growers advise one and some another—we sell both. Asparagus is a permanent asset to any garden, and it is one of the most delicious and refreshing vegetables.

**LAPARK SEED AND PLANT CO., LAPARK, PA.**



believe my sympathies go out most of all to the flower lovers who never get to stay one place long enough to enjoy the fruits of their hard work. I could not tell you of the times that has been my lot, all through life—youth, middle life and now old age—it has been the same story. Like "Sweet Pea," of Pa., flowers I must have, if I have to beg, borrow, buy or steal them; I have never had to do the last yet, but would not say I would not if there was no other way, but fortunately there are always big hearts ready to divide. I think my flowers are doubly sweet when I have "passed on" some of them to others. Last fall I moved here, the prospects are that here I will be for some years if I live, so I have dared to dream of Perennials. Oh, the dream gardens I have planted of Perennials. How I have read and re-read of others who have Perennial gardens, Perennial borders. How I have had to strive not to break the Tenth Commandment as I have done so. The clippings on this subject that I have put away for future reference would fill a sizeable scrap book. And now that I am where I could have them, comes the great bug bear of most flower loving women—a slim pocketbook! Plants I do not dare think of, so I am trying seed; you can all extend your sympathy, for you know the uncertainty of seed, and oh, the waiting time! But like dear Mrs. Kimball, I shall dream on, and get all the joy I can out of that. Two years. Who loves Lilies? Or perhaps I should say, who does not love Lilies? My greatest desire is to have a lot of Hardy Lilies. I got a few from \* \* \* this spring and in fancy I see their stately blooms towering above the Pansy plants I set out at their feet.

I can think of no flower name suited to my grey head, so please every one call me,  
Grandmother.

## WILL RADIUM AT LAST OPEN THE DOOR OF THE GREAT UNKNOWN?

If you are sick and want to Get Well and Keep Well, write for literature that tells How and Why this almost unknown and wonderful new element brings relief to so many sufferers from Constipation, Rheumatism, Sciatica, Gout, Neuritis, Neuralgia, Nervous Prostration, High Blood Pressure and diseases of the Stomach, Heart, Lungs, Liver, Kidneys and other ailments. You wear DEGNEN'S Radio-Active Solar Pad day and night, receiving the Radio-Active Rays continuously into your system, causing a healthy circulation, overcoming sluggishness, throwing off impurities and restoring the tissues and nerves to a normal condition—and the next thing you know you are getting well.

Sold on a test proposition. You are thoroughly satisfied it is helping you before the appliance is yours. Nothing to do but wear it. No trouble or expense, and the most wonderful fact about the appliance is that it is sold so reasonably that it is within the reach of all, both rich and poor.

No matter how bad your ailment, or how long standing, we will be pleased to have you try it at our risk. For full information write today—not tomorrow. Radium Appliance Co., 762 Bradbury Bldg., Los Angeles, Calif.

# Asthma

Why suffer? Dr. Kinsman's Asthma Remedy gives instant relief. 25 years of success. 75c at all druggists. Avoid substitutes. Trial Treatment mailed Free. Write to Dr. F. G. Kinsman, Hunt Block, Augusta, Maine.

# BUNIONS

**Stops Pain-Removes Hump-Try It At My Risk**

Here is good news for bunion sufferers. I don't care how bad your bunion is or how you have doctored without success. I positively guarantee that my new combination treatment—PED-O—will end the pain and banish the ugly hump, or I make no charge for the treatment. No pads, no plasters; no clumsy appliances, but a new different method that gets results. Don't doubt—don't hesitate. I take all the risk, you none. You must be amazed and delighted, or there will be no charge made.

H.D. POWERS, Originator, Dept. B-133, Battle Creek, Mich.

# GET RID OF THAT FAT



Free Trial Treatment on Request

Ask also for my "pay-when-reduced" offer. My treatment has often reduced at the rate of a pound a day. No dieting, no exercise, absolutely safe and sure method.

Mrs. E. Bateman Writes:—Have taken your treatment and it is wonderful how it reduces. It does just as you say. I have reduced a pound a day and feel fine.

Mrs. Anna Schmidt writes:—I weighed 178 pounds before I started your treatment and I now weigh 138 pounds. You may print this if you like.

These are just examples of what my treatment can accomplish. Let me send you more proof at my expense.

DR. R. NEWMAN, Licensed Physician  
286 Fifth Avenue, New York, Desk H863.

# GOITRE

**Removed at Home Without Operation or Danger**

This simple, safe home treatment removes Goitre without inconvenience or danger. Hundreds of difficult cases that refused to yield to any other treatment have reported immediate results. "My goitre is cured and am feeling fine. I improved before taking medicine a week," says Mrs. C. W. Hahn, of North Jackson, Ohio. Mrs. W. A. Pease, of Creston, B. C., Can., writes: "A friend in Alberta got your treatment and was cured. I concluded to try it, and after using one treatment my goitre entirely disappeared." Quickly stops choking and other disagreeable symptoms. Does not interfere with regular duties. No danger. Convince yourself without pay or obligation. Send Coupon today for \$5.00 Test Treatment.



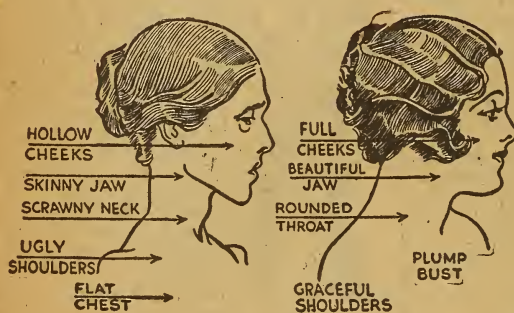
## \$5.00 FREE COUPON

This coupon is good for \$5.00 Test Treatment mailed free in plain package if accompanied by 10c to cover postage. Address This W. T. B. LABORATORY, Battle Creek, Mich.

Age? \_\_\_\_\_ How old is Goitre? \_\_\_\_\_ yrs.  
Nervous? \_\_\_\_\_ Hands Tremble? \_\_\_\_\_  
Do eyes bulge? \_\_\_\_\_ Does heart beat too rapidly? \_\_\_\_\_  
Name \_\_\_\_\_ Health? \_\_\_\_\_  
Address \_\_\_\_\_

# To Round Out Face and Figure Take Mastin's Vitamon Tablets

Clear Skin, Increase Energy and Beautify the Complexion.  
All Three Vitamines Combined with True Organic Iron  
and the Necessary Lime Salts in Concentrated Form  
—Easy to Take and Economical—Results Quick.



Thin or run-down folks who want to quickly get some good, firm, solid flesh on their bones, fill out the hollows and sunken cheeks with strong, healthy tissues, and build up increased energy and vitality should try taking a little Mastin's VITAMON with their meals. Mastin's VITAMON is a tiny tablet containing highly concentrated yeast vitamins as well as the two other still more important vitamins (Fat soluble A and Water-soluble C), together with true organic iron and the necessary

lime salts, all of which Science says you must have to be strong, well and fully developed. They help to banish pimples, boils and skin eruptions as if by magic, strengthen the nerves, build up the body with firm flesh and tissue and often completely rejuvenate the whole system. By getting the precious yeast vitamins in this concentrated tablet form you run no risk of causing gas or upsetting the stomach and can be sure of quick, gratifying results.

If you are thin, pale, haggard, drawn looking or lack energy and endurance you should find it well worth while to make this simple test: First weigh yourself and measure yourself. Next take Mastin's VITAMON—two tablets with every meal. Then weigh and measure yourself again each week and continue taking Mastin's VITAMON regularly until you are satisfied with your gain in weight and energy. It is not only a question of how much better you look and feel, or what your friends say and think—the scales and tape measure will tell their own story.

**WARNING:** Your safety and protection depend upon getting MASTIN'S VITAMON TABLETS—if it isn't MASTIN'S it isn't the Original and Genuine VITAMON—the World's Standard—now used by millions. Beware of imitations, cheap substitutes or so-called "yeast vitamin tablets." Insist upon MASTIN'S. At all good druggists.



MASTIN'S VITAMON TABLETS  
Are Fully Guaranteed In Every  
Respect Or Your Money Will Be  
Promptly Refunded.

if it isn't **MASTIN'S** it isn't **VITAMON**  
The Worlds Standard-Used by Millions